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2012/2013

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Zur einfachen Abwicklung Ihrer Aufträge verwenden Sie bitte auch bei Kohlebürsten die sechsstellige EDV-Nummer anstatt der Euro-Referenz (0 1165 1 = BSX 157-158).
Sie finden diese im Kapitel "Kohlebürsten" unter der bekannten Euro-Referenz grau hinterlegt.

For a convenient handling of your orders we would like to ask you to use the six-digit IKA-Partnumber also for orders of carbon brushes instead of the Euro-reference (0 1165 1 = BSX 157-158).
You can find this Partnumber at the chapter "carbon brushes", marked in grey.

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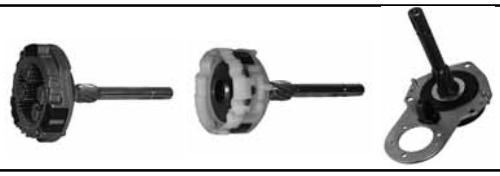
3. PLANETENGETRIEBE PLANETARY GEARS COURONNE AXE REDUCTEUR	**131 - 141**	
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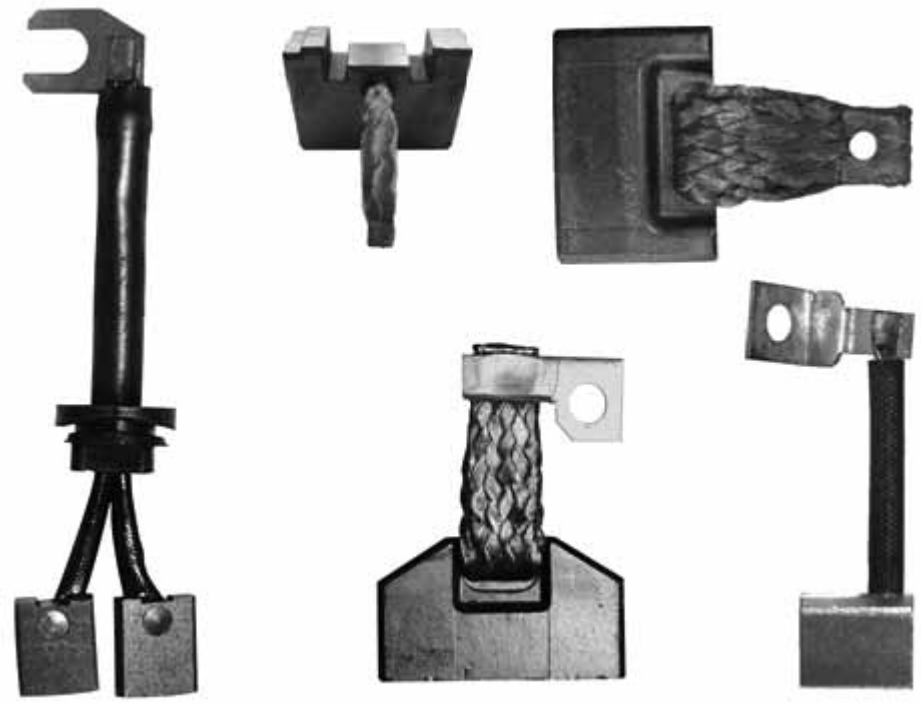
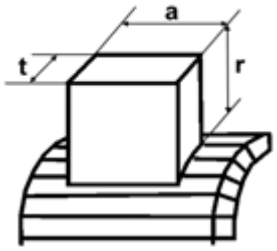
1

KOHLEBÜRSTEN

CARBON BRUSHES

BALAIS EN CHARBON





Dynamo
Starter

t	x	a	x	r
10	x	20	x	20mm

KOHLEBÜRSTEN
CARBON BRUSHES

BOSCH

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 12				
	P/N 0 1100 1	Bosch	1 007 014 100		0 001 354 006,12,16,18,25-27,29,31,33,34,36, 038,42,48,55,62,64,68,70,73,74,77, 079-96,98-100,3,6,8,9,13 355 012 356 001 363 001 9 000 143 200,1 EJB,EJC,EJD1.6/1.8 kw JD (R/L) 6/12 V
	4-BS 12		2 004 320 006	9 x 13 x 25,5	
	BSX 33				
	P/N 0 1102 1	Bosch	2 007 014 020 1 007 014 106		0 001 400 016,401051 401 051 BNG 2,5/12 4/12
	4-BS 33		2 004 320 066	9 x 20 x 28,5	
	BSX 34				
	P/N 0 1103 1	Bosch	2 007 014 021 1 007 014 107		0 001 401 071 402 001,7-9,11,12,18,23,34,41,43,44,50, 052-61,65,66,68,69,71,72,74,75,77, 079-81, BNG, KG(R) 4/24 Volt
	4-BS 34		2 004 320 068,87	9 x 20 x 28,5	
	BSX 35				
	P/N 0 1104 1	Bosch	2 007 014 047 1 007 014 109		0 001 401 002,4-7,11,13,15,17,26-29,35-37,39, 041,43-47,49-53,57,60-62,66-71,73 KG(R) 3.0 kw 12 Volt
	4-BS 35		2 004 320 091,098	12 x 20 x 28,5	
	BSX 36				
	P/N 0 1099 1	Bosch	1 007 014 105		0 001 501 001-3,5,6,13,14,19,24,31,32,34,35,38,41 QD 24V 5,5 KW 24 Volt
	4-BS 36		2 004 320 053	12 x 36 x 30	
	BSX 39				
	P/N 0 1105 1	Bosch	2 007 014 002		0 001 355 009,11,13,15-17,19,20 EJD 1,8/24 24 Volt
	4-BS 39		2 004 320 008	9 x 13 x 25,5	

KOHLEBÜRSTEN
CARBON BRUSHES

BOSCH

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 43 (4)				
P/N 0 1106 1	Bosch	1 107 014 110		0 001 203 005,8-11,16,19 204 005 205 003,5,7,9,10,12,13,15,17 217 001 304 002,10,12,13,16,19,23 305 001,2,8,10-13,16 306 011,13 307 004,7-12,14-17,19-22,24,25 309 001 312 001 EED 0,5/6 0,8/12 EGD 0,5/6 0.8/12 EGE 1.0/1.3/12 6/12 Volt
4-BS 43		1 004 320 059	7 x 16 x 22	
BSX 44 (4)				
P/N 0 1107 1	Bosch	2 007 014 006		0 001 356 003 358 005,10,14,17,18,20,21,23,26-28, 033,35,37,38,40,41,46-51,90 EJD 3/12 JD(R) 3.2 kw 12 Volt
4-BS 44		2 004 320 074,80,85	8 x 22 x 22,5	
BSX 59 (2)				
P/N 0 1112 1	Bosch	1 007 014 112,117		0 001 208 001,14,30 209 014 211 001-3,5,6,10,12,13,17,18,20,22,23,26 212 002,5,6 217 001 311 020-24,28,30 9 000 042 027 EF(L/R) 0,7/0,8/12 EB(L), EEF 0,8/12
2-BS 59		1 004 320 125 2 004 320 154	7 x 16 x 18	
BSX 62				
P/N 0 1118 1	Bosch	2 007 014 011		0 001 359 001,4,6-8,11-14,16,18,19,21, 024-26,28,30,31,33-35 9 000 143 000-2 JD(R) 4/12 IDR 12V28
4-BS 62		2 004 320 203	10 x 25 x 23	
BSX 67				
P/N 0 1119 1		2 007 014 012		0 001 360 002-5,8,9,12,13,20 JD 4/24
4-BS 67		2 004 320 141,207	8 x 25 x 23	
BSX 70				
P/N 0 1121 1	Bosch	2 007 014 018		0 001 155 016,017 157 001-4,6,7,13-16,18,21-25,27-30 9 000 141 101,3,4,7,8,11-16,100 334 101-104 DF(L/R) 0.6PS/0.7kw DD(R) 0.5PS/0.6kw DF(L/R) 0.6-0.7kw 12 Volt
4-BS 70		2 004 320 026,098 1 004 320 902	7 x 14 x 16	

KOHLEBÜRSTEN
CARBON BRUSHES

BOSCH

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 74				
P/N 0 1123 1	Bosch	2 007 014 000,024		0 001 100 003,004 101 004 102 003-006,009 104 005,007 105 002,003 154 001,005,007 155 001-004,006,008-010,014-016 157 010 158 001,002,008,009 9 000 141 000-004,006-010,013,015,017,018 DC(L)R) 0.5kw DD(L/R) 0.6kw DF(R)L) 0.65kw 12 Volt
4-BS 74		2 004 320 043,044	7 x 14 x 17,5	
BSX 75				
P/N 0 1124 1	Bosch	2 007 014 026 1 007 014 126,133		0 001 207 001,018, 208 004,08,25, 039-41,44,49,51-54,100,101 200-5,6,8-11,13,14,16-21,23-29,32,33 403-409,11-23,25-29, 211 200,1,4-9,10,13-25,27-29,33-36,39,41-49, 251-55,57-59,86,88, 986-93,95-96,97,98 212 006-8,11,13,204-14,400-3 213 003,4 9 000 142 001-003,14,100-102, 333 105,112,115,116,118,119 EF(R/L) 0,7/0,8/12 EF(L/R 0.7-0.95 kw 12 Volt
4-BS 75		1 004 320 076,126,90 2 004 320 172,173,180	7 x 10 x 18	
BSX 76				
P/N 0 1125 1	Bosch	1 007 014 119,121,127,129,134		0 001 207 001-3,5-7,9,10,13,15-20 0 001 208 004,6,7,9-12,17-19,23,25,29, 032, 033,36-38,46-50,54,55 056,058,059,061 209 014 211 005,016,017,129 212 002,3,5,6,12 214 001,002 215 001,002 217 001 310 002,5,7-11,16,18,43,46,47, 049,50,116,120 311 008,10,13,19,23,25,28-32,34-37,45,47, 050-052,054-056,100,103,105,107,108, 112-115,118,120-128,130,131,133-146, 147,149-152 312 100-102,104-107,110,111 313 006,007 314 001,003-006,008-018,022,024-049 317 005,006 EF,EEF(L/R) 0,7/0,8/12, GF(R) 1/12 EF(L/R)6/12 0.5-0.85 kw GF(L/R) 6/12 0.5-1.70 kw 12 Volt
4-BS 76		1 004 320 071,082,127, 1 004 320 901,903	7 x 16 x 18	
BSX 93				
P/N 0 1130 1	Bosch	2 007 014 016		0 001 363 001,101 JF(R)2.8PS/2.6kw
4-BS 93		2 004 320 122,125,127	9 x 16 x 25,5	24 Volt

KOHLEBÜRSTEN
CARBON BRUSHES

BOSCH

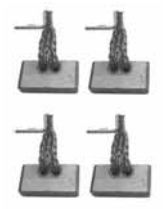
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 96				
P/N 0 1132 1	Bosch	2 007 014 052		0 001 358 200-2 359 001-4,6-8,10-14,16,18-21,23-41, 043-51,53-69,71-76,81-92,94-102 104-14,17-19,22,24 365 004-008 9 000 143 107,9-11 JD(R) 3.0/3.7kw,4PS 12 Volt
4-BS 96		2 004 320 220	10 x 25 x 23	
BSX 100				
P/N 0 1136 1	Bosch	2 007 014 049		0 001 360 002,3,7,8-10,12-19,22-27,29-45, 047-51,54-61,63-65 364 100,1066108,8,200-206 416 015 417 060 9 000 143 300-5,501 JD(R) 4.0/4.8/5.2/5.4/6.6kw 24 Volt
4-BS 100		2 004 320 217	8 x 25 x 23	
BSX 102				
P/N 0 1138 1	Bosch	2 007 014 053		0 001 357 002, 362 001-009,011-017,019, 021-025,027-030,0320,33 9 000 143 400,402,404-407,409 JF 2.0/2.4 kw 12 Volt
4-BS 102		2 004 320 124,126	9 x 16 x 25,5	
BSX 104				
P/N 0 1140 1	Bosch	2 007 014 054,055		0 001 208 009,13,24-26,31-33,58,59,61 211 001,2,4,16,21,23-25 215 001 311 001,7,14,16,26,27,32,38,39,45,48 313 001,3-5 EF/GF(R) 0.85 kw 1 PS 12 Volt
2-BS 104		1 004 320 082/127	7 x 16 x 18	
BSX 130				
P/N 0 1145 1	Bosch	2 007 014 059,060		0 001 413 001-14,17,18 418 001-17 KB(L/R) 3.5/3.6 kw 12 Volt
4-BS 130		2 004 320 263	12 x 36 x 27	
BSX 134-144				
P/N 0 1147 1	Bosch	2 007 014 062		0 001 367 001-18,20-46,48,50,51,54-59,61-64, 066-68
2-BS 134		2 004 320 101	10 x 25 x 17	9 000 143 410,12,15,16,19
2-BS 144		2 004 320 102 Alternative Brush Set BSX 155	10 x 25 x 17	JF(R) 3.0 kw 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 135-145				
P/N 0 1148 1	Bosch	2 007 014 063		0 001 368 001-88 300-321
2-BS 135		2 004 320 103	8 x 25 x 17	300-321
2-BS 145		2 004 320 104	8 x 25 x 17	369 011 9 000 143 600-04 JF(R) 4.0 kw 24 Volt
BSX 137-143				
P/N 0 1149 1	Bosch	2 007 014 065,68		0 001 362 034-36,38-43,45-53,057-64 067,69,70,81-86,88-100,102-105
2-BS 137		2 004 320 294,296	9 x 16 x 17	300-332,600-607,700-705
2-BS 143		2 004 320 295,297 Alternative Brush-Set BSX 139	9 x 16 x 17	366 001-00,008-022,024-029, 9 000 143 203,204,408,411,413,414,420 JF(L/R) 1.9-2.7 kw 12 Volt
BSX 138-142				
P/N 0 1150 1	Bosch	2 007 014 069		0 001 363 003-5,7,9,13,16 103-128
2-BS 138		2 004 320 298	9 x 16 x 15,5	JF(L) 3.2 kw
2-BS 142		2 004 320 299	9 x 16 x 15,5	JF(R) 2.6/3.2 kw 24 Volt
BSX 139				
P/N 0 1151 1	Bosch	2 007 014 040 1 007 014 130		0 001 305 010 315 002,004,005 GD 1.0/12
4-BS 139		2 004 320 038 Alternative Brush-Set BSX 137-143	9 x 16 x 17	GF (L/R) 1.6/1.9 kw
BSX 140				
P/N 0 1152 1	Bosch	1 007 014 138		0 001 208 516,710 211 514
4-BS 140		1 004 320 910 Alternative Brush Set BSX 152	7 x 16 x 15	312 108,9 317 007-13,16-19,22-25 GF(R) 1,7 KW 12 Volt
BSX 146				
P/N 0 1154 1	Bosch	1 007 014 137		0 001 211 500-505,7,10,11 525-30,38
4-BS 146		1 004 320 911 Alternative Brush Set BSX 149	7 x 10 x 14	EF(L/R) 0.8 kw 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 147				
	P/N 0 1155 1	Bosch Caterpillar	2 007 014 067 3T0844		0 001 420 001-15,24-29 3T4583,6 Caterpillar
	4-BS 147		2 004 320 017	10 x 36 x 27	KE(R) 7,5 KW 24 Volt
	BSX 148				
	P/N 0 1156 1	Bosch	2 007 014 070		0 001 410 029,062 416 001-40,42-77
	4-BS 148		2 004 320 285	12 x 36 x 27	417 001-74 KB(L/R) 5.4-6.6 kw KB(L/R) 5.4-6.6 kw 24 Volt
	BSX 149				
	P/N 0 1157 1	Bosch	1 007 014 139,141,145		0 001 208 501,6-8,10,13-21,26,28 702,5-15,17-19, 211 512,13,15,33,35,36
	4-BS 149		1 004 320 101,102,103 Alternative Brush-Set BSX 146	7 x 10 x 14	1 001 711 512,13,15 9 000 333 104,06,09,14,17,20,21 EF(L/R) 5.4-6.6 kw 12 Volt
	BSX 151				
	P/N 0 1158 1	Bosch	1 007 014 143		0 001 218 001-29,100-178 6 033 AB1 J00
	4-BS 151		1 004 320 912 9 003 334 315, 338 Alternative Brush Set BSX 151/0	7,5 x 18 x 17/19	9 000 331 201,203 401,2,5-9,11-15,17-28,30-33 EB(L/R) 1.9/2.2.4 kw EV(L/R) 1.9/2.2/2.4 kw 12 Volt
	BSX 151/0				
	P/N 0 1159 1	Bosch	1 007 014 143 w/o. clip		
	4-BS 151/0		1 004 320 112 Alternative Brush-Set BSX 151	7,5 x 18 x 17/19	
	BSX 152				
	P/N 0 1162 1	Bosch	1 007 014 144		0 001 317 014,15,20,21 GF(L) 1.7 kw 12 Volt
	4-BS 152		1 004 320 106 Alternative Brush Set BSX 140	7 x 16 x 15	

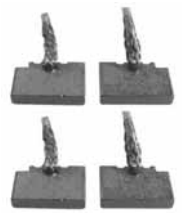
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 153				
P/N 0 1160 1		2 007 014 066		0 001 421 001-10,14,15 KE(L/R) 5,5 KW 12 Volt
4-BS 153		2 004 320 016	12 x 36 x 27	
BSX 155				
P/N 0 1164 1	Bosch	2 007 014 071		0 001 369 001,003 JF(R) 12V 3.1kw
2-BS 155		2 004 320 135	10 x 25 x 15	
2-BS 155L		2 004 320 136 insulated Alternative Brush Set for BSX134-144 / BSX 163-164	10 x 25 x 15	
BSX 157-158				
P/N 0 1165 1	Bosch			0 001 109 001-008,11,12,14,15,17, 018,21-23,25,26,28-31, 033-036,40-45,47-49,52, 055,56,59-63 200,201,253 110 001-005,07-15,17-19,22-33 39-49,51,53,55-71,73,75-85, 88-90,92,95,98-102,104-107, 110-15,20,22-29,32,999 115 001,002 124 004,015,020,021 125 001,002,005,006,009,010,012, 013,016-019,021,022, 501-04,07,08,12,13,17,602 F 000 AL0 105,107,108 F 010 AL0 101 DB/DW (L) 1,7 KW DW (R) 1,6-2,1 KW 12 Volt
2-BS 157		1 004 320 135,143,148,166,218	6 x 18 x 13/14,5	
2-BS 158		1 004 320 134,142,149,165,219	6 x 18 x 13/14,5 flex 4.0 mm²	
		Brush-Holder: 1 004 336 228,233,257,279, 301,359,361,367,393, 394,400,401,402,404, 405,407-410,412,413, 422,425,429-431,437, 438,440,445-448,450, 454-456,458-461,463, 465,466,468,472,719, 720,729-732,734-739, 741,742,777-779,804, 807,808,819,826,829, 835,836,839,840,845, 847-849,860,868,871, 875,877,881,909,908, 909,914,924-927, 931-933,942,945-949, 955,956,958,959,962, 976,981,983,984,988, 990,991,994,996,997, 999		
BSX 157-158K				
P/N 0 1167 1	Bosch			0 001 115 002,05-09,11-13,16,17,24 123 001
2-BS 157K		1 004 320 171,174,221,222	6 x 18 x 11/12,5	DW (R/L) 1,7 KW
2-BS 158K		172,173,220,223	6 x 18 x 11/12,5 flex 4.0 mm²	R74-E10 (R/L) 12 Volt
		Brush-Holder: 1 004 336 396,414,424,452,453, 470,471,722,743,763, 803,824,852,867		

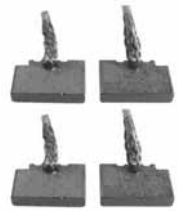
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 159-160				
P/N 0 1166 1	Bosch			0 001 108 001-05,09-13,16-33,35,37-40, 42-48,50-54,56-66,68-100, 101-41,43-56,58-60,62, 166-78,80-84,86,88,89,97,99 996-999 111 001-05 9 000 694 038 F 002 G20 049,052,101,141,449,500,639 F 005 M00 005,006,010,011,013,016,021 F 010 AL0 101,103 DW (R/L) 1,1-1,4 KW 12 Volt
2-BS 159		1 004 320 133,140,146,167, 224,226	5 x 16 x 11,5/13 flex 4.0 mm²	
2-BS 160		1 004 320 132,141,147,168 225,227	5 x 16 x 11,5/13 flex 4.0 mm²	
		Brush-Holder: 1 004 336 300,318,337,343,362, 363,374-376,403,411, 418,419,423,426,436, 442,443,457,464,467, 733,740,747,748,762, 772,806,811,812,816, 823,832,837,850,859, 902-904,907,911-913, 918,919,921-923, 934-936,941,944,950, 954,960,961,965,968, 971,973,974,986,995, 998	
BSX 163-164				
P/N 0 1168 1	Bosch	2 007 014 073,076		0 001 367 001,04,05,07-10,12,13,15,17, 018,21-24,26,28,29,30,32-34, 039,42,44-47,49,50,52-54,58, 061,63,65,66,68-82 300-03, 369 002,04-07,12-25, 200,01 9 000 143 416 JF(R) 3.0/3.1/3.6 kw 12 Volt
2-BS 163		2 004 320 108	10 x 25 x 15	
2-BS 164		2 004 320 109	10 x 25 x 15	
		Alternative Brush Set BSX 155		
BSX 165				
P/N 0 1169 1	Bosch	9 003 337 001		0 001 219 001-017,112 9 000 331 201,203 332 401,402,405,406 EV (R/L) 2,5 KW 24 Volt
4-BS 165		9 003 334 321	7,5 x 18 x 17/19	
BSX 166				
P/N 0 1173 1	Bosch			0 001 112 003-29,32-39,41,44,45 113 001-15,17 114 003-06,08-10,14-17,20-22 133 003,04 9 000 081 003,09,10 9 000 695 004-009 F 000 AL0 300-302,400,401 F 010 AL0 301 DA (L/R) 0,9 KW DM (R/L) 0,8-1,0 KW 12 Volt
4-BS 166		1 004 320 136/F 000 AL1 658	5 x 12 x 11,6	
		Brush-Holder: 1 004 336 217,302 815,17,34,43,44,46,65 915-17,28,39,40,43,52 953,63,67,69,92,93 9 000 081 094 F 000 AL1 013,054,055,061,326, 483,532,917-919 AL2 034-036,109 F 004 A36 004-006 A95 002		
BSX 170-171				
P/N 0 1171 1	Bosch	2 007 014 077, 085		0 001 364 300,301,400,402 372 001-008
2-BS 170		2 004 320 196, 165	10 x 25 x 15	JD(R) 5,2 KW
2-BS 171		2 004 320 197, 166	10 x 25 x 15	JE(R) 6,2 KW JF(R) 4,8 KW 24 Volt
		Brush-Holder: 2 004 336 066,085-087		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 172-173				
P/N 0 1172 1	Bosch	2 007 014 079		0 001 410 029,62 416 001-19,22-24,26-33, 035-40,42-53,56,57, 059-66,68-80,83 417 001,02,05-07,10,11,13, 014,16,17,20,22-31,33, 035-38,41-45,47,48, 050-59,61-66,68,69, 071-74,77-80, 418 004-06,08,10
2-BS 172		2 004 320 244	12 x 36 x 19	
2-BS 173		2 004 320 245	12 x 36 x 19	
		Replacement for BSX 148		KB(R) 3.6/5.4/5.5/6.6 kw 24 Volt
BSX 172-173-174				
P/N 0 1194 1	Bosch Volvo	2 007 014 084 3093273		0 001 417 075,076 1547049
2-BS 172		2 004 320 244	12 x 36 x 19	1556955
1-BS 173		2 004 320 245	12 x 36 x 19	3095060
1-BS 174		2 004 320 249	12 x 36 x 21	3964839
				KB (R) 6,6 KW 24 Volt
BSX 175-176				
P/N 0 1175 1	Bosch			0 001 106 011,12,14-20,22-26, 107 003-12,14-34,37-41,43-49, 052-56,58-64,66-80,82,83, 085,87-98,100,101 121 001-03,06-11,16-19,22,23
2-BS 175		1 004 320 154,156,169,214	5 x 12 x 10,9/11,6	
2-BS 176		1 004 320 155,157,170,215	5 x 12 x 10,9/11,6 flex 2.5 mm²	
		Brush-Holder: 1 004 336 201,219,239,309, 314,320,321,326, 332,368,382,391, 392,397,415-417, 420,421,427,428, 432-435,444,451, 462,469,801,809, 810,813,814,820, 821,827,828,830, 831,833,841,842, 851,853,937,938, 951,957,964,970, 975,980,985,987, 989 F 004 A36 002,003		9 000 081 001, 04,06,07 9 000 694 007,017,022,029,035,044,047,051-053 F 002 G20 318 F 004 A94 009,010 DB/DW (L) 1,1 KW DB/DW (R) 0,9-1,2 KW R74-M35 12V(R) 12 Volt
BSX 177				
				
P/N 0 1174 1	Bosch	2 007 014 082 9 001 453 644		0 001 371 004-010,012-20 9 000 453 064,65,68 T 144 GA
4-BS 177		2 004 320 271	9 x 36 x 18	JE(R) 6,0 /6.7 kw 24 Volt
		Brush Holder 2 004 336 077/078		
BSX 178-179				
P/N 0 1176 1	Bosch	2 007 014 080		0 001 418 001-003,009,012,014,015,017 KB(R) 3,6 KW 12 Volt
2-BS 178		2 004 320 240	12 x 36 x 19	
2-BS 179		2 004 320 241	12 x 36 x 19	
		Replacment for BSX 130 (R) clockwise rotating		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 180-181				
P/N 0 1177 1	Bosch	2 007 014 081		0 001 418 016 KB(L) 3,6 KW 12 Volt
2-BS 180		2 004 320 242	12 x 36 x 19	
2-BS 181		2 004 320 243 Replacement for BSX 130 (L) anticlock rotating	12 x 36 x 19	
BSX 184-185				
P/N 0 1088 1	Bosch			0 001 107 401-15,17,18,21-43,46-49, 452,53,56,60-62,78,79
2-BS 184		1 004 320 163,200	4,6 x 12 x 10,5/11,2	121 402,03,08-13,22,23,27-30, 435,36,43,44
2-BS 185		1 004 320 164,201 Brush-Holder: 1 004 336 502,505,510,519,525, 526,534,542,547,580, 583,593,600,607,608, 630,632,636,655,702, 703,711,718,723,789, 791,866,887,896	4,6 x 12 x 10,5/11,2 flex 2.5 mm²	F 002 G20 485,594,669 F 004 A94 434,441,449 R70-M10,15,25,35,45(R) RF70-M15,25 (R/L) DW(R/L) 1,1 KW 12 Volt
BSX 186				
P/N 0 1179 1	Bosch	2 007 014 017		0 001 510 001-003,005,008-010,017-028, 030-036,038-041
4-BS 186		2 004 320 176,178	12 x 40 x 27	512 001,002 QB / QF(R) 9.0 kw 24 Volt
BSX 186-187				
P/N 0 1180 1	Bosch	2 007 014 083		0 001 510 029,037 QB(R) 9,0 KW 24 Volt
3-BS 186		2 004 320 176	12 x 40 x 27	
1-BS 187		2 004 320 177	12 x 40 x 27	
BSX 190-191				
P/N 0 1183 1	Bosch			0 001 231 001-14,16-19,23, 024,26-30,32-36,45
2-BS 190		9 003 334 359, 6 033 AD4 030	6,4 x 25 x 15.4/16.4	EV(R) 4.0 kw
2-BS 191		9 003 334 360, 6 033 AD4 029 Brush Holder: 6 033 AD0 130,156,380,383,471 6 033 AD4 026,054,161,180 9 003 334 363 Stator Frame: 6 033 AD0 128,151,152,189,473 AD4 064,092-094,098,099 107-110,177	6,4 x 25 x 15.4/16.4	HE95-M 24Volt

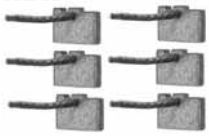
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 192-193				
P/N 0 1184 1	Bosch			0 001 218 602,20,703,10-12,15,16,19,22, 725,28,30,35-38,40-42,54,57-59
2-BS 192		6 033 AD0 011, 6 033 AD1 158	6 x 22 x 13 / 15	763-68,70-72,74,76,77
2-BS 193		6 033 AD0 012, 6 003 AD1 159	6 x 22 x 13 / 15	805,08,09,12,14-22
				0 001 223 001-14,16,18,19,21,22,56 500-507
		Brush Holder:		EV(L/R) 2,3 kw
		6 033 AD0 014,159-161,221,368, 401,404,407,409,411, AD1 155,244,246,250,252, 255,259,294,311,349, 350		EV(R) 2,6 kw 12 Volt
		Stator Frame:		
		6 033 AD0 007,162-164,223, 225,311,412 AD1 108-110,245,248, 249,251,254,256,260, 301,313,327,351,381 313,327,351,381 AD2 002		
BSX 194-195				
P/N 0 1186 1	Bosch			0 001 230 001,07-10,14,18,20-24,26,27 EV(R) 3.0 kw
2-BS 194		9 003 334 361,6 033 AD3 196	7,5 x 27 x 15,4/16,4	HE95-M 12V(R) 12 Volt
2-BS 195		9 003 334 362,6 033 AD3 197	7,5 x 27 x 15,4/16,4	
		Brush Holder:		
		6 033 AD0 166,370,374, AD3 022,042,058		
		9 003 334 368		
		Stator Frame:		
		6 033 AD0 167,170,244		
BSX 196				
P/N 0 1187 1	Bosch			0 001 116 001,003-006,008,009 DM(R/L) 0.7 kw 12 Volt
4-BS 196		1 004 320 158	5 x 8.5 x 10.5/11.5	
		Brush Holder:		
		1 004 336 822,838,854,856,861		
		F 000 AL1 921,		
		F 000 AL2 050-052		
BSX 197				
P/N 0 1170 1	Bosch	2 007 014 072		0 001 370 001-004
				9 000 453 029,065-067
4-BS 197		2 004 320 270	9 x 36 x 18	JE(R) 5.0 kw 12 Volt
		Brush Holder:		
		2 004 336 079		
BSX 198-199				
P/N 0 1182 1	Bosch			0 001 368 083 JF 4,0 kw 24 Volt
2-BS 198		2 004 320 163	8 x 25 x 13	
2-BS 199		2 004 320 164	8 x 25 x 13	
		Replacement for		
		BSX 135-145		
		Brush-Holder:		
		2 004 336 064		

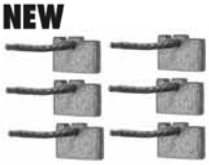
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 200-201				
P/N 0 1188 1	Bosch			0 001 109 057-60,68,202-05,50, 302-305,40,41
2-BS 200		1 004 320 175,210	6 x 18 x 12.7/14.2	110 071,072
2-BS 201		1 004 320 176,211	6 x 18 x 12.7/14.2 flex 2.5 mm²	F 002 G20 292,359,385,430,618,622,795 F 004 A94 002
		Brush Holder: 1 004 336 410,518,532,548, 575,578,599,654, 709,725,726,739, 787,872,877,894 F 002 G20 430		DW(R) 1.7/2.2 R78-M10,15,28,45,55 12V(R) VW overload protection starter
BSX 202-203				
P/N 0 1178 1	Bosch			0 001 330 004,07,08,11-13,17,501,502 340 501-503
2-BS 202		6 033 AD0 263	9 x 32 x 23	GVB(R)6.0 kw
2-BS 203		6 033 AD0 264	9 x 32 x 23	HEF109-M / MP 24Volt (R) HEP109-MP 24Volt (R) Scania, Volvo,Mercedes
		Brush Holder: 2 004 336 091,092,093 6 033 AD0 384 AD6 098		
BSX 204-205				
P/N 0 1197 1	Bosch			0 001 106 403-407,409,410 120 400-411
2-BS 204		1 004 320 177,212	4.6x10x12.0/12.7	DB(L) 0.9 kw
2-BS 205		1 004 320 178,213	4.6x10x12.0/12.7 2.5 mm²	RF70-S25(L) R70-S10(L/R) 12 Volt Audi, SEAT, Skoda, VW
		Brush Holder: 1 004 336 506,592,637,799, 879		
BSX 206-207				
				
P/N 0 1089 1	Bosch			0 001 241 001 HEF95-L 5.5kw
2-BS 206		6 033 AD5 097,126,312	6.35x27.77x18	Scania 1447911
2-BS 207		6 033 AD5 098,127,313	6.35x27.77x18	P 230,270,310,340,380,420,470 R 340,380,420,470 T 340,380,420,470 24 Volt
		replaced by BSX 216-217 IKA P/N: 0.1094.1		
		Brush Holder: 6 033 AD5 128		
BSX 210-211				
P/N 0 1091 1	Bosch			0 001 108 400-06,08-12,20,21,45,46 170 400,401
2-BS 210		1 004 320 179,202	4.6x16x11.5/12.2	177 000,001,004,005
2-BS 211		1 004 320 180,203	4.6x16x11.5/12.2 flex 2.5 mm²	F 002 G20 670 F 004 A94 004
		Brush Holder: 1 004 336 509,527,530/31,564, 565,576,595,602, 615,631,633,656, 657,704,707,708, 768,769,785,886 1 004 337 022 1 004 338 102,117		DW(R)1.4 kw R70-L15,25,35(R) RF70-L25(L) 12 Volt
NEW				
BSX 210-211-249-250				
P/N 0 1208 1	Bosch			0 001 108 405,406,408,430,431,445,446 R70-L15,25 12V (R)
1-BS 210		1 004 320 202 flex 2.5 mm²	4.6x16x11.5/12.2	VW 079 911 021 D,-DX
1-BS 211		1 004 320 203 flex 2.5 mm²	4.6x16x11.5/12.2	Porsche 9586 041 110 00
1-BS 249		1 004 320 265 flex 2.0 mm²	4.6x16x11.5/12.2	
1-BS 250		1 004 320 266 flex 2.0 mm²	4.6x16x11.5/12.2	VW overload protection start/stop starters
		Brush Holder: 1 004 337 022,140,150		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 212-213				
P/N 0 1092 1	Bosch			0 001 108 157,190,196,200-204,06-14, 217,18,20-25,28-31,34,35,37-40
2-BS 212		1 004 320 183,204,206	5x16x11.5/13	F 000 AL0 110
2-BS 213		1 004 320 184,205,207	5x16x11.5/13 flex 2.5 mm²	F 002 G20 326,348,546,582,593 F 004 A94 007
		Brush Holder: 1 004 336 511,512,521,528, 533,536,552, 566-568,572,579, 638,712,753,770 771,773,782,788 888,889,898 F 000 AL1 934		DW(R) 1.4-1.8 kw R74-L10(L) R74-L40,45,-60,-75(R) RF74-L20(R) 12 Volt
BSX 214-215				
P/N 0 1093 1	Bosch			0 001 115 008,015,021,025,035,039-041, 045-054,069-073
2-BS 214		1 004 320 185,228,234	6x18x11.0/12.5	R74-E25(R) 12 Volt
2-BS 215		1 004 320 186,229,235	6x18x11.0/12.5 flex 2.5 mm²	
		Brush Holder: 1 004 336 395,513,522,554, 568,584,585,591, 598,604,606,641, 672,678,721,792, 793,796,798,899		
BSX 216-217				
				
P/N 0 1094 1	Bosch			0 001 231 036,039-041 241 001,003,005-007,009,014,015,019
2-BS 216		6 033 AD5 177,314	5.35x27.77x18	EVB (R) 5.5KW
2-BS 217		6 033 AD5 178,315 Replacement for BSX 206-207	5.35x27.77x18	HEF95-L 24V(R) 5,5kw HE95-M 24V(R) 4.0 kw Scania 1447911 P 230,270,310,340,380,420,470 R 340,380,420,470 T 340,380,420,470 24 Volt
		Brush Holder: 6 033 AD4 016,194, 212 6 033 AD5 179, 316,318,320		
		Stator Frame: 6 033 AD4 166,199 6 033 AD5 154		
BSX 218-219				
P/N 0 1095 1	Bosch			0 001 107 103-109 121 024-035
2-BS 218		1 004 320 230	5x12x10.9/11.6	DB/DW(L/R) 1.2 kw
2-BS 219		1 004 320 231	5x12x10.9/11.6 flex 2.0 mm²	R74-M60(R) / R74-M20 (L) RF74-M50(L) / RF74-M40(R) overload protection starters 12 Volt
		Brush Holder: 1 004 336 504,529,561,562, 577,587,589,765, 766,786,795,797,978		
BSX 220-221				
P/N 0 1096 1	Bosch			0 001 109 064-067,069,070,205, 258-274,300-307 110 086,087,118,119,130,131, 133,134,136-139 124 001-008,011,013,014,022,027 125 003,004,007,008,025,031, 032,035,036,039,040,042, 043,046-049,051-056, 511-514,517-522,600,601,605-608
2-BS 220		1 004 320 208,232	6x18x14.2/15.7	F 000 AL0 111
2-BS 221		1 004 320 209,233	6x18x14.2/15.7 flex 4.0 mm²	F 004 A94 008,011 DB/DW(L) 1.7-2.0 kw DB/DW(R) 1.7-2.2 kw R78-L35,M28,M35,M45,M55(R) RF78-L30,L35(L) RF78-M28,M45,SW28(R) 12 Volt
		Brush Holder: 1 004 336 272,503,507,508,516, 524,537,538,549-551, 555,556,559,569-571, 573,574,581,582,586, 590,594,596,597,599, 599,601,603,605,611, 616-629,639,666,687, 688,701,713,714, 750-752,756,757,760, 774,780,781,783,784, 790,794,800,869,878, 884,885,893,895 1 004 337 003,004,139		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 222-223				
P/N 0 1220 1	Bosch			0 001 260 001 HX-95L 12 Volt
2-BS 222		2 004 320 264	6,35x27.77x18.2	
2-BS 223		2 004 320 265 flex section 10.0 mm² flex length 35 mm	6,35x27.77x18.2	
		Brush Holder: 2 004 336 090,096		
BSX 224-225				
P/N 0 1219 1	Bosch			0 001 230 001-024,026-030 EV(R) 3.0 kw
2-BS 224		6 033 AD3 260	6,35x27,77x18	HEF95-M 12 Volt
2-BS 225		6 033 AD3 261 flex section 6.0 mm² flex length 25 mm	6,35x27,77x18	
		Brush Holder: 6 033 AD3 262,267,290-292		
NEW **BSX 228 (4)**				
P/N 0 1097 1	Bosch			0 001 139 021,022,037,038 DB 001 151 72 14
4-BS 228		1 004 320 244	5.25x18x12.7x14.2 flex 4.0 mm²	Porsche 948 604 214 00 Porsche Panamera 3.0-4.8 l
		Brush Holder: 1 004 337 005,041		start/stop starters 12 Volt
BSX 228 (6)				
P/N 0 1217 1	Bosch			0 001 139 001,002,005,006,015,016 047,048
6-BS 228		1 004 320 244	5.25x18x12.7/14.2 flex 4.0 mm²	S78-M 12V(R) 2.2 kw BMW Models 1 and 3 Diesel start/stop
		Brush Holder: 1 004 336 612,649 1 004 337 002,145		Mini start/stop Chrysler 12 Volt
NEW **BSX 228-243 (4)**				
P/N 0 1027 1	Bosch			0 001 139 041,042 S78-M 12V(R)
2-BS 228		1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm²	VW 059 911 021 G VW overload protection start/stop starters
2-BS 243		1 004 320 261	5.25x18x12.7/14.2 flex 2.5mm²	12 Volt
		Brush Holder: 1 004 337 019		
NEW **BSX 228-243 (6)**				
P/N 0 1028 1	Bosch			0 001 139 017-020,023,024, 031,032,043,044
3-BS 228		1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm²	149 400-409 S/SL78-M 12V(R)
3-BS 243		1 004 320 261	5.25x18x12.7/14.2 flex 2.5mm²	DB 651 906 11 0 651 906 12 0
		Brush Holder: 1 004 336 699 1 004 337 023,040,046 1 004 337 149		VW 059 911 021 F,-FX 03L 911 021 E 12 Volt overload protection start/stop starters

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 229-230				
P/N 0 1216 1	Bosch			0 001 138 003-006,011-012,029,030 037-040,043,044
2-BS 229		1 004 320 245	4.6x16x12.3/13.8 flex 2.5mm²	142 001,002 F 002 G20 859
2-BS 230		1 004 320 246	4.6x16x12.3/13.8 flex 2.5mm²	S74-L 25 12V(R) 1.4/1.7 kw SF74-L 12V(L)
		Brush Holder: 1 004 336 609,614,645,648 1 004 337 012, 153,154		BMW Models 1+3 Gas Start/Stop BMW Mini Gas, -Cooper Diesel Start/Stop VW Start/Stop Starters 12 Volt
NEW				
BSX 231-232-215				
P/N 0 1214 1	Bosch			0 001 115 022,023,031,032,042,056, 057,074-077,082,083
1-BS 215		1 004 320 229	6 x18x11.0/12.5 flex 2.5mm²	123 002,003,012-021,026,027,039
1-BS 231		1 004 320 249	6 x18x11.0/12.5 flex 4.0mm²	DB/DW (R) 1.7 kw R74-E20 (L)
2-BS 232		1 004 320 250	6 x18x11.0/12.5 flex 4.0mm²	R74-E25,E35 (R) RF74-E25 (L)
		Brush Holder: 1 004 336 ... 515,520,523,535,553,554, 557,558,560,640,650, 653,661-664,669,677, 700,724,754,755,758, 759,761,890-892,897		overload protection starters 12 Volt
NEW				
BSX 233 (4)				
P/N 0 1098 1	Bosch			S74- start/stop starters 12 Volt
4-BS 233		1 004 320 251	4.6x14.0x12.3/13.8 flex 2.5mm²	
		Brush Holder: 1 004 337 035,036		
NEW				
BSX 233 (6)				
0 1215 1	Bosch			S74-M 12V(R) FIAT start/stop starters
6-BS 233		1 004 320 251	4.6x14x12.3/13.8 flex 2.5mm²	replaced by BSX 236 overload protection start/stopstarters
		Brush Holder: 1 004 336 674,684 1 004 337 015,016,020,021		12 Volt
NEW				
BSX 234-235				
P/N 0 1212 1	Bosch			0 001 145 001,002 SF78-M 12V(L) 2.2 kw
3-BS 234		1004 320 254	5.25x18x12.7/14.2 flex 2.5mm²	Audi,VW overload protection start/stop starters
3-BS 235		1004 320 253	5.25x18x12.7/14.2 flex 4.0mm²	12 Volt
		Brush Holder: 1 004 336 681		
NEW				
BSX 235-228-243				
P/N 0 1023 1	Bosch			0 001 139 045,046,049,050,053,054 S78-M 12V(R) 2.0 kw 12 Volt
2-BS 235		1 004 320 253	5.25x18x12.7/14.2 flex 4.0mm²	overload protection start/stop starters VW 059 911 021 H,-HX,-J,-JX
1-BS 228		1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm²	07L 911 021,-X
1-BS 243		1 004 320 261	5.25x18x12.7/14.2 flex 2.5mm²	
		Brush Holder: 1 004 337 034,047 1 004 337 050,144		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
NEW 	**BSX 236**			
P/N 0 1211 1	Bosch			0 001 136 002,003 0 001 137 001-006,011,012
6-BS 236		1 004 320 256	4.6x14.0x12.3/13.8 flex 2.0mm²	0 001 138 001,002,009,010,013-020, 043-046,051,052
		Brush-Holder 1 004 336 689,695,698 1 004 337 015,020,156		0 001 147 400-403,408,409 S74-L,-M,-S 12V(R) SL74-L 12V(R) 12 Volt overload protection start/stop starters Alfa, FIAT, Mercedes Benz, Opel
NEW 	**BSX 238**			
P/N 0 1209 1	Bosch			0 001 153 500,501
6-BS 238		1 004 320 257	4.6 x 19.5 x 12.3/13.8 flex 2.5 mm²	SFL74-E+ 12V(L) 12 Volt overload protection starters Mercedes
		Brush Holder: 1 004 337 049		
NEW 	**BSX 239-240**			
P/N 0 1030 1	Bosch			HX 95-M,-L 12 Volt oveload protection starter
2-BS 239		2 004 320 266	6,35x27.77x18.2	
2-BS 240		2 004 320 267	6,35x27.77x18.2 flex 8.0 mm² length 35mm	
		Brush-Holder 2004 336 094,097		
NEW 	**BSX 241-242**			
P/N 0 1033 1	Bosch			0 001 261 008,012 0 001 263 002
2-BS 241		2 004 320 268, 272	6,35x27.77x18.2	HX95-M (R)
2-BS 242		2 004 320 269,273	6,35x27.77x18.2 flex 6.0 mm² length 35mm	HXF95-L (R) 24 Volt overload protection starter
		Brush-Holder 2004 336 095		
NEW 	**BSX 244**			
P/N 0 1024 1	Bosch			0 001 153 007-010,015,016 SF74-E+ 12Volt (L)
4-BS 244		1 004 320 262	4.6x19.5x12.3/13.8 flex 3.0mm²	VW 02M 911 024 C,-CX 02Z 911 024 H,-HX 07M 911 024 A
		Brush Holder: 1 004 337 006		VW-Family start/stop starters Audi A1/A3/Q3/S1 1.6/2.0 TDI SEAT Alhambra/Altea/Ibiza/Leon 1.6/2.0 TDI Skoda Fabia/Roomster/Superb/Yeti 1.2/1.6 TDI VW Caddy/Eos/Golf VI/Passat 1.6/2.0 TDI
NEW 	**BSX 245**			
P/N 0 1022 1	Bosch			0 001 148 003,004,009,010,019-26 153 014,015
4-BS 245		1 004 320 264 flex 3.0 mm² Brush Holder 1 004 337 013,029,042 1 004 337 146,147,155	4.6x19.5x12.3/13.8	S/SF74-E+ 12V(R) BMW 12 41 7 843 526,530 12 41 8 506 657 12 41 8 509 198 12 41 8 515 795,900 Opel 555 720 65 1202216 VW 2H0 911 023 H 3R0 911 023 C start/stop starters

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
NEW 	**BSX 247**			
P/N 0 1017 1	Bosch			0 001 142 003-006 0 001 152 400,401
6-BS 247		1 004 320 255	4.6x14.0x12.3/13.8 flex 2.5mm²	SF74-L 12Volt (L) SFL74-L 12Volt (L)
		Brush Holder: 1 004 336 682 1 004 337 026,053		DB 270 906 00 00 270 906 04 00 VW 0AM 911 023 F,-FX 02Z 911 023 R,-RX overload protection start/stop starters

KOHLEBÜRSTEN
CARBON BRUSHES

DENSO

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 1				
P/N 0 1943 1	Denso			028000-8411,9133,9872,9882 128000-1431,4461,4590
2-JAS 1		028530-0932,1020,1030	6 x 9 x 12,5	Motorcycle 12 Volt
JASX 2				
P/N 0 1946 1				Motorcycle 12 Volt
2-JAS 2			5 x 10 x 12,5	
JASX 10-11				
P/N 0 1955 1	Denso			128000-049,245,247,256,274,422, 468,491,537,551,562,572,573
2-JAS 10		028520-1090	10 x 30 x 20	228000-331,332,573,585,700
2-JAS 11		028530-1100	10 x 30 x 20	OSGR-Starter 3.0/5.5 kW 12 Volt
	Isuzu	1-8116-048-0 1-8116-049-0		
JASX 14				
P/N 0 1940 1	Denso			12 Volt
4-JAS 14		28531-0110	7 x 12 x 16	
	Daihatsu	28142-21010		
	Isuzu	9-8211-1649-0		
	Mazda	0180-23-756		
	Mitsubishi	K437 450-0 MD604067		
	Subaru	89207-8602/49206/7202		
	Suzuki	31131-75011		
	Toyota	28142-21010		
JASX 18-19				
P/N 0 1996 1	Denso			OSGR- Starter 1.2 kw 12 Volt
2-JAS 18			7 x 13 x 15,5	
2-JAS 19			7 x 13 x 15,5	
JASX 22				
P/N 0 1945 1	Denso			12 Volt
4-JAS 22		28531-0300	7 x 12 x 19	
	Daihatsu	28142-10011		
	Mazda	0208-23-756		
	Mitsubishi	MD604240		
	Subaru	89206-4102,6102/49243-7302 89206-8702,8602		
	Suzuki	31131-55010,-55011,-75110 31173-63210		
	Toyota	28142-10011		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 35				
P/N 0 1935 1	Denso			12 Volt
4-JAS 35		28530-0480	9 x 30 x 26	
	J. Deere	R50927		
	Mitsubishi	MD604256/MF022002		
	Toyota	28142-47021/-76010/-77040		
JASX 39				
P/N 0 1938 1	Denso			12 Volt
4-JAS 39		028099-5450	6,5 x 8 x 10	
	Daihatsu	28142-87504-000		
	Honda	31211-PH9-004		
	Isuzu	8-94455-168-0		
		8-94455-167-0		
	Mitsubishi	MD604643		
	Subaru	209705-5108		
	Suzuki	31131-51A10		
	Toyota	28142-10029		
JASX 39 C				
P/N 0 1939 1	Denso			12 Volt
4-JAS 39 C		028531-5050 with Clip	6,5 x 8 x 10	
	Mazda	028099-5450		
JASX 52				
P/N 0 1962 1	Denso			128000-2682/5210/521/5680 5681/5682/6210-6212
4-JAS 52		028099-6180	6,5 x 13 x 14	281008721300 2810016010/6040/6041/6070 6071/6073
	Daihatsu	28142-87204-000		
	Isuzu	8-94377-262-0		12 Volt
		8-94367-795-0		
	Mazda	028099-6180		
	Suzuki	31131-51A10		
	Toyota	28142-70020		
JASX 53				
P/N 0 1963 1	Denso			028000-8460/9181/9182/9202 9220/9221/9230/
2-JAS53		028510-0760	7,5 x 13 x 18	31100-79660/85010/85020/85021 12 Volt
	Daihatsu	28140-87703-000		
	Honda	31231-679-014		
	Isuzu	5-81119-004-0		
		8-94135-730-0		
	Subaru	49243-6002		
	Suzuki	31131-79010		
		31173-79010		
JASX 62				
P/N 0 1965 1	Denso			028000-2000/2151/2240 2260-2263/2360/2361
4-JAS 62		28531-0350	7 x 12 x 19	12 Volt
	Daihatsu	28142-25020		
	Honda	31211-679-004		
	Mazda	1345-24-753		
	Toyota	28142-25020		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 63				
P/N 0 1966 1	Denso			12 Volt
4-JAS 63		28531-0380	7 x 12 x 16	
		28531-0480/0490		
	Daihatsu	28142-25011/87502		
	Honda	31211-657-006/31231-679-004		
	Toyota	28142-25011		
JASX 77-78				
P/N 0 1977 1	Denso	028099-3550		028000-3920/4570/7370 7660 128000-0020/6400
2-JAS 77		28531-0840	8 x 25 x 15	12 Volt
2-JAS 78		not insulated	8 x 25 x 15	
	Daihatsu	28140-54070-000		
		28140-64040-000		
		28140-87706-000		
	Isuzu	5-81116-040-0		
		5-81118-021-0		
		8-94167-430-0		
	Komatsu	028510-0640		
	Mazda	RE01-24-750		
	Toyota	28140-54070		
		28140-64040		
JASX 79				
P/N 0 1997 1	Denso	Nikko Denki		228000-304326,304408 1.8/2.0 kW 12 Volt
4-JAS 79		0-23740-0200, 0210	7 x 25 x 15,5 7 x 25 x 15,5	
	Isuzu	8-94178-053-0, 054-0		
		8-94437-920-0, 921-0		
JASX 84				
P/N 0 1984 1	Denso			028000-2641/3642/4000 4020/4200/4243 4250
4-JAS 84		028510-0441,0580,0590,0830, 028510-5320,5350,5420 028531-0450,0946 flex length 33mm	7 x 16 x 14	12 Volt
	Daihatsu	28140-34030		
		28140-87701-000		
		28140-87704-000		
		28140-87710-000		
	Honda	31208-657-0040		
		31208-657-300		
		31208-PH7-661		
		31208-PR4-0030		
	Komatsu	02851-00441,-00590		
	Subaru	21170-53608		
		23378-AA040,-AA050		
		49243-7212,-7302,-7502		
	Toyota	28140-34030,-64130,-65020, 28140-74010,-74020,-74070,-760 70 28142-34030		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 85				
P/N 0 1985 1	Denso			028000-5330-5335 6380-6382
4-JAS 85		28531-0680	6,5 x 10 x 16	12 Volt
	Daihatsu	28140-15010		
		28140-87201-000		
		28140-87502-000		
		28140-87702-000		
	Honda	31231-PA0-0060		
	Isuzu	8-94239-109-0		
		8-94239-110-0		
	Mazda	1345-24-750		
		1345-24-750A		
		8682-24-750		
	Mitsubishi	MD604916		
	Subaru	23378-KA000		
		49206-7002		
		49243-7002		
	Suzuki	31131-82010		
		31173-78310,-78311		
	Toyota	28140-15010		
JASX 86-87				
P/N 0 1986 1	Denso			128000-8320 228000-2570
2-JAS 86		028510-0750	7 x 16 x 16	12 Volt
2-JAS 87		insulated	7 x 16 x 16	
	Daihatsu	28140-15090		
	Honda	31208-PC2-661		
	Toyota	28140-15090		
JASX 88				
P/N 0 1988 1	Denso			12 Volt
4-JAS 88		28531-0632	8 x 25 x 21	
	Daihatsu	28140-77090-000		
	Hino	2814A-77090		
		28140-1220		
	Isuzu	1-81119-004-0		
		5-81118-013-0		
	Komatsu	02851-00500		
	Mitsubishi	028510-0500		
		028510-0670		
	Toyota	28142-22060/71		
		28140-77090		
JASX 89				
P/N 0 1991 1	Denso			028000-4540/5900/5910-12 6000/6001/6030/6300
4-JAS 89		028099-3430,3950	7 x 16 x 14	12 Volt
		028510-0460,0660		
		028531-0720,0730		
		flex length 22mm		
	Daihatsu	28140-26070		
		28140-87707-000		
	Honda	31208-657-671		
		31208-PC2-671		
	Isuzu	5-81116-020-0		
		5-81118-022-0		
		8-94170-211-0		
		8-94317-193-0		
		8-94377-249-0		
	Toyota	28140-26070		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
NEW	**JASX 101-102**			
	P/N 0 1933 1 Denso			428000-0670,-0680,-700 - 1640,-1750
1-JAS 101			4.5 x 14 x 15.0	12 Volt
2-JAS 102			4.5 x 14 x 15.0	
NEW	**JASX 103-104**			
	P/N 0 1932 1 Denso			M9T60371,60671,60672,60471, 61171
2-JAS 103			8.0 x 30 x 18.2	5.5 kW 24 Volt
2-JAS 104			8.0 x 30 x 18.2	
NEW	**JASX 105-106**			
	P/N 0 1921 1 Denso			228000-9900,-9901,-9902 428000-1080
1-JAS 105		Brush-Pair	4.5/7.0 x 8.5 x 9.5	12 Volt
1-JAS 106		Brush-Pair	4.5/7.0 x 8.5 x 9.5	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 5				
P/N 0 1451 1	Fiat			B76-0,5/12S E76-0,6/12V
2-JS 5		748 681 71	6 x 16 x 17	632 010 00-5 632 011 00,01 632 201 07,08,37,38 632 202 02,32 632 204 00,02,03,08,09,30,32,33,38,39 632 205 35-38 12 Volt
JSX 9				
P/N 0 1454 1	Fiat			E115-3/24 632 238 00,02,07,30,32 24 Volt
4-JS 9		853160,747 026 10	6,5 x 14 x 20	
JSX 11				
P/N 0 1453 1	Fiat			C150-7/24 632 250 00, 02,05
4-JS 11		4048975, 747 238 01	12 x 30 x 28	24 Volt
JSX 12				
P/N 0 1456 1	Fiat			C125-4/24 632 240 00, 03, 04
4-JS 12		4048287, 747 132 01	10 x 20 x 25,5	24 Volt
JSX 13 (4)				
P/N 0 1457 1	Fiat			E100-1,3/12, 1,5/12 632 060 02,03
4-JS 13		748 747 41	7 x 16 x 20	632 223 01,04,31 632 224 00,05,08,09,30,35,37-39 632 225 01,02,31,32,35,36 632 227 30,31,33,35,36 12 Volt
JSX 14				
P/N 0 1455 1	Fiat			E115-1,8/12 12 Volt
4-JS 14	4005010		6,5 x 14 x 20	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	JSX 15				
	P/N 0 1458 1	Fiat			M130-7/24/M130-6/8/24V,1c,2c M130-9124T
	4-JS 15		747 341 01	11,5 x 35 x 30	632 243 01-03,98,99 632 253 01,03,91,98 632 263 00,02,91 24 Volt
	JSX 16				
	P/N 0 1459 1	Fiat			E84-08/12V, Var,1,2,3,6,8 632 207 00-03,05,06,20,21,23,24,30-33,35,
	2-JS 16		748 617 81	8 x 17 x 19	632 207 40,41,43,44,46 632 208 00-04,06,08,30,32,33,34,36 632 209 31,32,40 12 Volt
	JSX 17				
	P/N 0 1460 1	Fiat			E125-6/24 632 241 70
	4-JS 17		748 256 01	10 x 33 x 28	24 Volt
	JSX 18				
	P/N 0 1461 1	Fiat			M125-4/24,M3-Z9 632 245 80
	4-JS 18		748 387 01	10 x 22 x 28	24 Volt
	JSX 19				
	P/N 0 1462 1	Fiat			M125-3/12 632 24 600,02,91
	4-JS 19		748 460 01	10 x 22 x 28	12 Volt
	JSX 21-22				
	P/N 0 1464 1	Fiat			E95-0,9-12 E95-1,0-12
	1-JS 21		748 809 41,512 706 52	6 x 13 x 17,5	632 213 30,32-35,38
	2-JS 22		748 811 21,512 706 51	6 x 13 x 17,5	632 214 30,31 632 215 31,32,34,35,38
			Brush Holder: (748 811 51 + 748 809 21)		632 216 33,37 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 23-24-28				
P/N 0 1466 1	Fiat			E100-1,6/12 632 232 35-39
2-JS 23		748 879 01	7 x 15,5 x 20	632 233 30-32
1-JS 24		748 879 11	7 x 15,5 x 20	12 Volt
1-JS 28		748 912 60	7 x 15,5 x 20	
		Brush Holder: (748 879 51 (85540391 + 74888901)		
JSX 25-22				
P/N 0 1467 1	Fiat			E95-1,1-12 632 214 30
1-JS 25		748 884 01,512 706 53	6 x 13 x 17,5	632 215 32,38
3-JS 22		748 811 21,512 706 51	6 x 13 x 17,5	12 Volt
		Brush Holder: (748 811 51 + 748 883 61 (748 811 51 + 855 303 00)		
JSX 26-27				
P/N 0 1468 1	Fiat			E95-1,1-12 632 214 33-36,38
3-JS 26		748 910 71,512 706 61, 512 707 99	6 x 13 x 17,5	632 215 30,33,36,39 632 216 30,32,35,36,39
1-JS 27		748 910 80,512 706 60, 512 707 98	6 x 13 x 17,5	632 217 31 12 Volt
		Brush Holder: (748 911 01 + 748 909 61)		
JSX 29-30				
P/N 0 1469 1	Fiat			E95-0,8-12 E95C-0,8-12 631 010 03
1-JS 29		74893801,51270805	6 x 13 x 17,5	632 218 30,32,34,90,92
1-JS 30		74893811,51270803	6 x 13 x 17,5	12 Volt
		Brush Holder: (748 938 51 (855 403 51 + 748 936 31)		
JSX 31-32				
P/N 0 1470 1	Fiat			E95R-2,2-12 632 218 31
2-JS 31		7489438.1,51270764,74899061	8 x 19 x 18	632 220 30,31,34-36,38,39
1-JS 32		7489439.1,51270765,74899071	8 x 19 x 18	632 221 30,31,33-36,38 632 222 04,06
		Brush Holder: (855 403 41 + 748 941 21 (855 403 41 + 832 228 01)		12 Volt
JSX 33-34				
P/N 0 1471 1	Fiat			E70R-1,4-12 M70R-1,4-12/-1,8-12
2-JS 33 (-)		832 272 58 insul. no	6 x 15 x 16,7 flex 28	631 110 00,05,08
2-JS 34 (+)		832 272 57 insul. 35	6 x 15 x 16,7 flex 28	632 234 30-33,35,36 632 235 30-33
		Brush Holder: (832 204 61 + 832 201 31) (542 944 44 + 832 265 57)		632 236 39 632 934 35 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 35-36				
P/N 0 1472 1	Fiat			E80-0,8-12 E80-1,0-12
2-JS 35		832 211 91	7 x 13 x 17,5	632 228 31-33,36-38
2-JS 36		932 212 01	7 x 13 x 17,5	632 230 31-34 12 Volt
		Brush Holder: (832 212 41 + 832 216 51)		
JSX 35-37				
P/N 0 1473 1	Fiat			E80E-1,0-12 631 230 31-34
2-JS 35	832 211 91		7 x 13 x 17,5	12 Volt
1-JS 37	832 216 81		7 x 13 x 17,5	
		Brush Holder: (832 212 41 + 832 209 91 (832 212 41 + 832 239 91)		
JSX 38-39-40 (3)				
P/N 0 1474 1	Fiat			E80E-0,9-12 631 020 03,04,07,08
1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	632 229 00,01
1-JS 39 (+)		832 274 91 insul. 52	7 x 13 x 17,5 flex 42	632 230 85
1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	632 231 01,03,08 632 931 03
		Brush Holder: (832 244 61 + 832 251 17)		12 Volt
JSX 38-40-58 (4)				
P/N 0 1482 1	Fiat			E80E-1,0-12 631 030 02,03,07,08
2-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	12 Volt
1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	
1-JS 58 (+)		832 269 21 insul. 100	7 x 13 x 17,5 flex 80	
		Brush Holder: (832 253 59 + 832 257 10)		
JSX 38-41 (2)				
P/N 0 1475 1	Fiat	(832 244 61 + 832 251 46		E80E-0,8-12 631 010 00,02
		(832 253 26 + 832 263 48		632 010 08
		(832 253 26 + 832 264 91)		
1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	632 228 89,97
1-JS 41 (+)		832 252 66 insul. 18	7 x 13 x 17,5 flex 26	632 229 05,08,09,36 632 231 04,09 632 232 00 632 233 03 632 931 04 12 Volt
JSX 38-42 (2)				
P/N 0 1476 1	Fiat			E80E Seat 12 Volt
1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	
1-JS 42 (+)		832 246 21 insul. 25	7 x 13 x 17,5 flex 30	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 40-46-47 (4)				
P/N 0 1477 1	Fiat			E80E 12 Volt
1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	
1-JS 46 (+)		832 261 48 insul. 57	7 x 13 x 17,5 flex 65	
2-JS 47 (-)		832 261 89 insul. no	7 x 13 x 17,5 flex 26	
JSX 43-45-44 (4)				
P/N 0 1478 1	Fiat			E80E 12 Volt
2-JS 43 (-)		832 258 22 insul. no	7 x 13 x 19,5 flex 26	
1-JS 45 (+)		832 258 23 insul. 50	7 x 13 x 19,5 flex 62	
1-JS 44 (+)		832 258 24 insul. 18	7 x 13 x 19,5 flex 26	
JSX 43-45-57 (3)				
P/N 0 1483 1	Fiat			632 230 39 632 233 04
1-JS 43 (-)		832 258 22 insul. no	7 x 13 x 19,5 flex 26	632 930 39
1-JS 45 (+)		832 258 23 insul. 50	7 x 13 x 19,5 flex 62	E80E-0,9-12
1-JS 57 (+)		832 274 95 insul. 38	7 x 13 x 19,5 flex 26	12 Volt
		Brush Holder: (832 258 86 + 832 258 83 (832 258 86 + 832 262 40)		
JSX 48-49-50 (3)				
P/N 0 1479 1	Fiat			E80E 12 Volt
1-JS 48 (+)		832 262 17 insul. 18	7 x 13 x 19,5 flex 26	
1-JS 49 (+)		832 262 18 insul. 34	7 x 13 x 19,5 flex 42	
1-JS 50 (-)		832 264 28 insul. no	7 x 13 x 19,5 flex 26	
JSX 50-55-56 (3)				
P/N 0 1484 1	Fiat			631 020 00 632 920 00
1-JS 50 (-)		832 264 28 insul. no	7 x 13 x 19,5 flex 26	E80E-0,9-12
1-JS 55 (+)		832 274 94 insul. 38	7 x 13 x 19,5 flex 26	12 Volt
1-JS 56 (+)		832 274 93 insul. 52	7 x 13 x 19,5 flex 42	
		Brush Holder: (832 262 16 + 832 259 35)		
JSX 51-52 (2)				
P/N 0 1480 1	Fiat			E80F-0,8-12 12 Volt
1-JS 51 (+)		832 273 62 insul. 18	7 x 8 x 19,5 flex 26	
1-JS 52 (-)		832 273 64 insul. no	7 x 8 x 19,5 flex 26	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 51-52-59 (3)				
P/N 0 1485 1	Fiat			E80F-0,9-12 12 Volt
1-JS 51 (+)		832 273 62 insul. 18	7 x 8 x 19,5 flex 26	
1-JS 52 (-)		832 273 64 insul. no	7 x 8 x 19,5 flex 26	
1-JS 59 (+)		832 274 70 insul. 26	7 x 8 x 19,5 flex 34	
JSX 51-52-63 (4)				
P/N 0 1486 1	Fiat			E80F-1,0-12 12 Volt
1-JS 51 (+)		832 273 62 insul. 18	7 x 8 x 19,5 flex 26	
2-JS 52 (-)		832 273 64 insul. no	7 x 8 x 19,5 flex 26	
1-JS 63 (+)		832 276 57 insul. 100	7 x 8 x 19,5 flex 80	
JSX 53-54				
P/N 0 1481 1	Fiat			E95RL-2,2/2,6-12 631 140 08,10,14
2-JS 53 (-)		832 269 19	8 x 19 x 20	12 Volt
1-JS 54 (+)		832 269 20	8 x 19 x 20	Ducato
		Brush Holder: (748 944 41 + 832 257 10 (832 263 36 + 832 267 10)		
JSX 61-62-63 (4)				
P/N 0 1487 1	Fiat			D80F-1,0-12 12 Volt
2-JS 61 (-)		832 275 84 insul. no	7 x 8 x 19,5 flex 26	Denso-Fiat
1-JS 62 (+)		832 275 83 insul. 18	7 x 8 x 19,5 flex 26	
1-JS 63 (+)		832 276 57 insul. 100	7 x 8 x 19,5 flex 80	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 70-71				
P/N 0 1490 1	Fiat			P95 2.3/2.6 kw 12 Volt
1-JS 70		028531-6870	7.8 x 19 x 20	
2-JS 71		028531-6880	7.8 x 19 x 20	
JSX 72-73				
P/N 0 1491 1	Fiat			P76 2.0 kw 12 Volt
2-JS 72		028531-7340	7 x 20 x 16	
2-JS 73		028531-7331	7 x 20 x 16	
JSX 74-75-76-77				
P/N 0 1492 1	Fiat			P70 1.4 kW 12 Volt BMW, PSA, Toyota
1-JS 74		28531-6420	4.5 x 14 x 14.3/15.3	
1-JS 75		28531-6390	4.5 x 14 x 14.3/15.3	
1-JS 76		28531-6400	4.5 x 14 x 14.3/15.3	
1-JS 77		28531-6410	4.5 x 14 x 14.3/15.3	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
FX 70-71				
P/N 0 1527 1	Ford-Visteon			E90F-11000-AA,BA E9SF-11000-AA,BA
1-F 70		F0OU-11056-AA	4,5 x 16 x 14	F02F-11000-AA
1-F 71		F0OU-11055-AA	4,5 x 16 x 14	F07U-11000-AA,BA F0CF-11000-AA,BA
		Brush-Holder E90Z-11061-A,B,C		F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA PMGR-Starter USA 12 Volt
FX 70-72				
P/N 0 1528 1	Ford-Visteon			93BB-11000-HB,JB,JC,KA,KB,KC PMGR-Starter Europe
1-F 70		F0OU-11056-AA	4,5 x 16 x 14	12 Volt
1-F 72		F3RU-11055-AA	4,5 x 16 x 14	
		Brush-Holder F3RZ-11061-A		
FX 73				
P/N 0 1529 1	Ford-Visteon			96BB-11000-AA,AB USA 12 Volt
4-F 73			6 x 13 x 14	
FX 74				
P/N 0 1530 1	Ford-Visteon			97BB-11000-BB,BC 97VB-11000-AA,AB
4-F 74		F7RU-11056-AB	8,2 x 18,9 x 17,7	98AB-11000-AC 98VB-11000-BA,B1A,B3A
		Brush Holder: F7RU-11434-BA		Escort, Fiesta, Focus, Mondeo 1.8D 1,9 KW-Starter 12 Volt
FX 74-78				
P/N 0 1522 1	Ford-Visteon			97BB-11000-BB 97BB-11000-BC
2-F 74		F7RU-11056-AB	8,2 x 18,9 x 17,7	98AB-11000-AC
1-F 78		F7RU-11055-CA	8,2 x 18,9 x 17,7	98VB-11000-B1A
		same application as FX 74 but positive brush-pair with bus bar Brush Holder: F7RU-11434-BA		98VB-11000-B3A 98VB-11000-BA 12 Volt
FX 75				
P/N 0 1524 1	Ford-Visteon			97VB-11000 Ford Transit
4-F 75		F7RU-11056-CA TR3	8,2 x 18,9 x 18	2,2 KW-Starter Ungarn 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
FX 76-77				
P/N 0 1523 1	Ford-Visteon			1C3U-11000-AA,-AB,-AE 3,6 KW-Starter
2-F 76 (+)		1C3U-11056-BA	8,2 x 18,9 x 18,2	Visteon / ISKRA
2-F 77 (-)		1C3U-11056-AA	8,2 x 18,9 x 18,2	12 Volt
		Brush Holder: 1C3U-11434-AA		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 15-6 (4)				
P/N 0 1942 1	Hitachi			12 Volt
2-JAS 15		2108-2305/-4305/-6305	6 x 16 x 14	
2-JAS 6		2108-2306/-4306/-6306	6 x 16 x 14	
	Daihatsu	2108-2305		
		2108-2306		
	Isuzu	9-8211-16310		
		9-8211-16320		
	Nissan	23379-09900		
		23380-10600		
JASX 26-27				
P/N 0 1978 1	Hitachi			24 Volt
2-JAS 26		2280-1313	10 x 25 x 22,5	
2-JAS 27		2280-1312	10 x 25 x 22,5	
	Nissan	23331-99002		
		-99003		
JASX 31				
P/N 0 1952 1	Hitachi			24 Volt
4-JAS 31		2250-1322	9 x 20 x 26	
	Isuzu	9-8211-1603-0		
		9-8211-5114-0		
		1-2174-0030-0		
	Nissan	23331-90001		
		23331-90004		
		23379-61502		
JASX 32-33				
P/N 0 1951 1	Hitachi			12 Volt
1-JAS 32		2114-2313	7 x 16 x 16,5	
1-JAS 33		2114-6312	7 x 16 x 16,5	
	Isuzu	9-8211-16440		
		9-8211-16450		
	Nissan	23379-19900		
		23380-19900		
JASX 34-30				
P/N 0 1934 1	Hitachi			12 Volt
2-JAS 34		2130-6312	8 x 19 x 18	
2-JAS 30		2130-9311	8 x 19 x 18	
	Isuzu	8-94028-460-0/-464-0		
		8-94228-440-0		
		8-94228-444-0		
		8-94228-464-0		
	Nissan	23379-V0700		
		23380-V0700		

IKA-No.	Original	References		Dimensions mm	Unit-Nos.
JASX 36-37					
P/N 0 1937 1	Hitachi				S12-38A S13-33 / 33A / 33B / 34A
2-JAS 36		2130-5312		8 x 25 x 18	S13-37 / 37B / 38B
2-JAS 37		2130-8311		8 x 25 x 18	S13-41 / 41 A / 41 B
		2250-5322			M2T20671 12 Volt
		2250-5323			
	Isuzu	1-81116-023-0			
		1-81116-024-0			
		5-81116-024-0			
		5-81116-025-0			
		8-97030-389-0			
	Nissan	23379-J5500			
		23380-J5500			
		23331-Z9002			
		23331-Z9003			
		28331-Z9000			
		28331-Z9001			
JASX 49-61					
P/N 0 1948 1	Hitachi				S114-750,-752,-753,-754A,-758, S114-762,-765,-766,-767,-769,
1-JAS 49		2114-63125		4,5 x 14 x 17	S114-775,-780,-870
2-JAS 61		2114-43125		4,5 x 14 x 17	12 Volt
	Brush Holder	2114-43105 / 23378-1E401			
		2114-53105 / 23378-50Y04			
		2114-63104 / 23378-1E400			
	Nissan	23380-1E400			
		23379-1P100			
JASX 50-51					
P/N 0 1961 1	Hitachi				S114-501 / 501A / 505 / 505A S114-517 / 517C / 518 / 519A
1-JAS 50		2114-23124/-63121		7 x 11 x 16	S114-523 / 252A / 526
		2114-73122/-83122			12 Volt
		2114-93122			
2-JAS 51		2114-83121		7 x 11 x 16	
	Mazda	B101-18X-72/-18X-66			
	Nissan	23379-53J00/23380-53J00			
		23379-M8001/23380-12G01			
		23379-M8001/23380-42L60			
		23379-M8001/23380-57M60			
		23379-M8001/23380-77A01			
		23379-M8001/23380-M8001			
	Subaru	23387-KA000			
		23388-KA000			
		49206-6401/-6501			
		49207-6401			
	VW	Golf, Passat 1.6, Santana			
JASX 54-55					
P/N 0 1964 1	Hitachi				S114-800/801/804/805 808/816/850
1-JAS 54		2114-63126		4,5 x 14 x 15	12 Volt
2-JAS 55		2114-53126		4,5 x 14 x 15	
	Brush Holder	2114-23106	OPEL Astra D		
		2114-73105	OPEL Corsa D		
	Nissan				
	Opel	23380-OM300			
		23379-OM300			
		JHTSX 300-301			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 56-3				
P/N 0 1959 1	Hitachi			S12-23/24A/32/34/47 12 Volt
2-JAS 56		2120-1311,1312	8 x 14,5 x 22	
2-JAS 3		2120-4311,5312 2120-7311	8 x 14,5 x 22	
	Isuzu	9-8211-16510 9-8211-16520 9-8211-16460 9-8211-16470		
	Nissan	23379-37500 23379-37502 23379-37503 23379-65000 23380-37500 23380-37502 23380-37503 23380-65000		
JASX 56-3/0				
P/N 0 1958 1	Hitachi			12 Volt
2-JAS 56/0		2120-7312	8 x 14,5 x 22	
2-JAS 3/0		2120-9311	8 x 14,5 x 22	
	Nissan	23379-G7000 23380-G7000		
JASX 57-58				
P/N 0 1960 1	Hitachi		12 Volt	S108-77/78 S114-103/108L/121N/122N 126M/132/136/139/146
2-JAS 57		2114-4313	7 x 11 x 18	
2-JAS 58		2114-8312	7 x 11 x 18	
	Daihatsu	2114-4313/8312		
	Honda	31246-568-005 31217-568-005		
	Isuzu	9-8211-1657-0/1658-0		
	Nissan	23379-16E01/-21000 23380-16E01/-21000		
	Subaru	9402-1408/1409		
JASX 59-60				
P/N 0 1950 1	Hitachi			S114-556A,-558 23300-53J00
1-JAS 59		2114-73123	4,5 x 11 x 16	23300-KA270
2-JAS 60		2114-83123	4,5 x 11 x 16	12 Volt
	Nissan	23380-53J00 23379-53J00		
	Subaru	23387-KA000 23388-KA000		
JASX 65-67				
P/N 0 1968 1	Hitachi			12 Volt
2-JAS 65		2114-59003/-93121	7 x 11 x 16	
1-JAS 67		2114-6313/-8313	7 x 11 x 16	
	Honda	31215-634-0050/PD4-0050		
	Isuzu	5-81116-056-0 5-81119-034-0 8-94208-294-0		
	Nissan	23379-M0100/M0101/M0102 23380-M0101		
	Subaru	49206-1001/-5501 49207-1001		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 66-67				
P/N 0 1969 1			12 Volt	S108-34B/61/61A-G 63/66/116
2-JAS 66		2114-3315/-5312	7 x 11 x 16	
2-JAS 67		2114-6313/-8313	7 x 11 x 16	
	Honda	31215-634-0050/31216-634-0050 31215-679-0050/31216-679-0050		
	Isuzu	8-94208-294-0/8-94208-300-0 5-81116-008-0/5-81116-009-0		
	Nissan	23379-80W00 23379-M0100/-M0102 23380-56A00 23380-M0100/-M0101		
	Subaru	21070-53908/-54008 24370-54008 49206-1001/49207-1001 49206-5501/49207-5501		
JASX 74				
P/N 0 1975 1	Hitachi			S13-100/104/106A-C 106E/107/107A
4-JAS 74		2130-23112	7 x 19 x 15,8	109/109B/111 12 Volt
	Isuzu	8-94136-900-0		
	Nissan	23380-10G00 23379-10G00		
JASX 74-75				
P/N 0 1974 1	Hitachi			S13-62/62B 101/102/105/105A
2-JAS 74		2130-13111	7 x 19 x 15,8	129/136/160/329
2-JAS 75		2130-7312	7 x 19 x 15,8	529
		2240-1311/1312		12 Volt
	Daihatsu	23379-W2500/23380-W2500 2331-T9000/T9001		
	Isuzu	5-81118-021-0 8-94136-900-0 8-94152-930-0/-970-0/-973-0 8-94242-061-0/8-94242-065-0 8-94478-862-0		
	Mazda	894152970/-973		
	Nissan	23379-54A00 23380-10G00 23380-54T00 23380-W2500		
	Volvo	740 D, 760 D		
JASX 80-81				
P/N 0 1982 1	Hitachi			S114-233A/252F/253B 254D/255A/256B
2-JAS 80		2114-59002	7 x 14 x 16	257/257G/257H
2-JAS 81		2114-69002	7 x 14 x 16	258C
				12 Volt
	Isuzu	8-94208-440-0 8-94208-444-0 8-94228-440-0 8-94228-444-0		
	Nissan	23379-M4900 23380-M4900		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 92-93				
P/N 0 1992 1	Hitachi			S13-06/06A/10/14 18/28/29/32
2-JAS 92		2130-1312/2312	9 x 19,5 x 22	32A/55
		2130-3311/4311		12 Volt
2-JAS 93		2130-4312/7311	9 x 19,5 x 22	
	Isuzu	5-81116-015-0		
		5-81116-016-0		
		5-81116-048-0		
		5-81116-049-0		
		8-94137-714-0		
		8-94137-716-0		
		9-8211-1551-0		
		9-8211-4151-0		
		9-8211-4152-0		
	Nissan	23379-J2000		
		23380-J2000		
		23379-61503		
		23380-61501		
JASX 94-95				
P/N 0 1993 1	Hitachi			24 Volt
2-JAS 94		2250-2323	9 x 19,5 x 19,5	
2-JAS 95		2120-2601	9 x 19,5 x 19,5	
		2130-1310		
		2250-1324/-4322		
	Isuzu	1-81116-017-0/-018-0		
		5-81116-017-0/-018-0		
		5-81119-001-0		
		5-81119-015-0		
		5-81119-016-0		
		9-82111-551-0		
	Nissan	23379-61503		
		23380-61501		
		23331-Z9000		
		23331-Z9001		
	Hino	28142-1020A		
		28142-1010A		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
IKSX 2-3				
P/N 0 1532 1	Iskra	16 905 439,950		AZF 3509,3512,3513,3515,3517-3519,3524,3527, AZF 3528,3531,3533,3534,3543,3545,3547,3549,3551,
1-IKS 2			13,9/6,9 x 12 x 15	AZF 3552,3555,3558,3559,3560
1-IKS 3			13,9/6,9 x 12 x 15	11 130 193,208,210,233,244-246,291,334,338,346, 11 130 351,352,375,378,392,395,418,431,505,582, 11 130 590,600
				0,8-1,0 kW 12 Volt
IKSX 4				
P/N 0 1533 1	Iskra	16 905 225		AZD 3502,3503,3508,3511 11 130 134,143,266,314
2-IKS 4			6 x 16 x 17	0,6 kW 12 Volt
IKSX 5-6				
P/N 0 1534 1	Iskra	16 905 645,973		AZJ 3105,3123,3137-3140,3144,3145,3148,3149-3151, AZJ 3155-3157,3166,3169,3170,3182,3192,3195,3197,
2-IKS 5			9 x 16 x 23,5	AZJ 3198,3203-3206,3217-3219,3227,3237,3248,3249,
2-IKS 6		16 770 377	9 x 16 x 23,5	AZJ 3255,3508,3514,3538,3554,3556,3567,3574,3581 11 130 117,123,203,250,253,300,309,319,386,432, 11 130 500-503,509,510,520,521,525,526,531-533, 11 130 548,551,552,579,612,618,620,624,629,632, 11 130 665,669,670,682,697,709,711,732
				2,4 / 2,7 / 3,0 kW 12 Volt
IKSX 7				
P/N 0 1535 1	Iskra	16 770 205		AZE 1501,1502,1507,1508,1515-1517, 1520,1521,1523,1526,1528,1531
4-IKS 7		16 770 428	6 x 12 x 11,5	11 130 321,328,398,404,483,487,495, 519,529,556,580,586,661
				0,8/0,9 kW 12 Volt
IKSX 10				
P/N 0 1539 1	Iskra	16 770 376		24 Volt
4-IKS 10			8 x 25 x 23	
IKSX 10-11				
P/N 0 1537 1	Iskra	16 905 695		AZJ 3131-3133,3186,3188,3589,3593,3595 11 130 339,364,367,490-492,595,598
2-IKS 10		16 770 376	8 x 25 x 23	4,0 kW 24 Volt
2-IKS 11			8 x 25 x 23	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
IKSX 12				
P/N 0 1538 1	Iskra	16 905 688		AZJ 0402,0404,0405,3109,3110,3114-3119, AZJ 3121,3128,3158,3171,3187,3188,3190, AZJ 3516,3517,3525,3531,3534-3537,3548, AZJ 3555,3557,3582,3594,3598,3599 11 130 026,074,076,127,140,179,194,198-201, 11 130 229,251,254,322,366,373,376,402,403, 11 130 408-412,414,419,484,534,553,596,605, 11 130 611 3,0 kW 12 Volt
4-IKS 12		16 770 239	10 x 25 x 23	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
LASX 2				
P/N 0 1600 1	Lucas	255659,270005 (TAB 127)		M35G/M45AL,G/M418G 12 Volt
2-LAS 2		263018,265426	8.8x19.05x13.5	
LASX 5-6				
P/N 0 1604 1	Lucas	251108 (TAB 128)		M35G1 25079,83,85,88,105,112,118,138,142
2-LAS 5		251103,5425796	6,35 x 15,9 x 14,2	12 Volt
1-LAS 6		251165,54257344, 54258281	6,35 x 15,9 x 14,2	
LASX 15-16				
P/N 0 1608 1	Lucas	271735 (TAB 125)		M45G,M113 26147,48,51,53,54,63,66,78,89,92,93,96,98
2-LAS 15		271491,54258277	7,9 x 19,05 x 22,2	26200,1,8,15,19,20,33,36,38,48,55,56,59,64, 66-71,75,78-81,83,85-88
2-LAS 16		271493,54258282	7,9 x 19,05 x 22,2	26300-2,6,10,20,21,46-48,64,70-73,75,81, 83,85,90,91,94,96 26400,12,13,22 27403,5,6,9-14,16-28,31-33,35,36,38-40,43, 46,47,49,52,57-59,63,65,68-70 12 Volt
LASX 15-27				
P/N 0 1609 1	Lucas	271735(-1) (TAB 120)		M45G(-1) 12 Volt
2-LAS 15		271491,54258277	7,9 x 19,05 x 22,2	
2-LAS 27		271492,54258276	7,9 x 19,05 x 22,2	
LASX 30-31-32				
P/N 0 1613 1	Lucas	54256907 (TAB 106), 60600626, 60600688		25585,25586,26209 12 Volt
1-LAS 30		54258277 (flex length 90mm)	7,9 x 19,05 x 22,2	
1-LAS 31		54258280-7238 (flex length 65mm)	7,9 x 19,05 x 22,2	
2-LAS 32		54257236	7,9 x 19,05 x 22,2	
LASX 31				
P/N 0 1614 1	Lucas	54258592 (TAB 119)		M50 26211,91
4-LAS 31		54257238 54258280 (flex length 65 mm)	7,9 x 19,05 x 22,2	26338,39,95 12Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
LASX 36				
P/N 0 1615 1	Lucas	54259517, 60600849	(TAB 118)	M50,M127 26227,34,46,65,73,74,82,84,90,94,95,97,98
4-LAS 36		54248210	9 x 20 x 26	26304,5,12,16,17,23,29,36,37,41-45,49,51, 52,55,57-61,63,65,66,69,74,76,78,79,84, 86,88,89,93,98 26402-4,7-11,14,16,20,21,23,27-31,33-37 27304 27500-9,11-16,18-28,31-34,36-41,43,45-47, 50-54,56-59,63-65 12 Volt
LASX 37-38-39				
P/N 0 1616 1	Lucas	54242194 (TAB 103)		M35J 12 Volt
2-LAS 37		(flex length 45 mm)	9/3,5 x 11,6 x 15,9	
1-LAS 38		(flex length 85 mm)	9/3,5 x 11,6 x 15,9	
1-LAS 39		(flex length 110 mm)	9/3,5 x 11,6 x 15,9	
LASX 40-41				
P/N 0 1617 1	Lucas	54244848,60600056 (TAB 117)		M35J,K 25137,45-50,56,57,59,65-68,78,80,82-87,90,91
1-LAS 40		54265217,54266892	9/3,5 x 11,6 x 15,9	25204-7,9,10,13-16,19,23,34,38,39,41,42,46,49,50, 53,55,59,62,64-66,68-74,76-84,87-92,94,98,99
1-LAS 41		54265216	9/3,5 x 11,6 x 15,9	25311,27,29,30,42,43,45-48,68,73 25400 60925019,2 12 Volt
LASX 42				
P/N 0 1618 1	Lucas	54244979		M50, M127 12 Volt
4-LAS 42		54258779,54262842	9 x 20 x 26	
LASX 43-44				
P/N 0 1628 1	Lucas	54246258 (TAB 124)		M100 25642-44,47-49,51,54,62,74,75,84-87,89,91,92,95,98
1-LAS 43		with terminal	10,3/4,7 x 13,3x17,5	25703-7,9-12,16-22,28-32,34,35,39,42,43,49-51,54-56
1-LAS 44		54243725	10,3/4,7 x 13,3x17,5	27466 12 Volt
LASX 43-44/0				
P/N 0 1619 1	Lucas	54246258 (TAB 124)		12 Volt
2-LAS 44		54243725 w/o. terminal	10,3/4,7x13.3/17,5	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
LASX 43-47-48				
P/N 0 1622 1	Lucas	60600220 (TAB 113)		25699
		60600298		25724,46,48
1-LAS 43			10,3/4,7 x 13,3 x 17,5	M 100
1-LAS 47			10,3/4,7 x 13,3 x 17,5	12 Volt
1-LAS 48			10,3/4,7 x 13,3 x 17,5	
LASX 44-45				
P/N 0 1620 1	Lucas	60600196 (TAB 116)		25631,59,68,70,77-83,94,97
				25700,1,45
1-LAS 45			10,3/4,7 x 13,3 x 17,5	M 100
1-LAS 44		54243725	10,3/4,7 x 13,3 x 17,5	12 Volt
LASX 46-47-48				
P/N 0 1612 1	Lucas	60600205 (TAB 114)		25696
				M 100
1-LAS 46			10,3/4,7 x 13,3 x 17,5	12 Volt
1-LAS 47			10,3/4,7 x 13,3 x 17,5	
1-LAS 48			10,3/4,7 x 13,3 x 17,5	
LASX 73-41				
P/N 0 1621 1	Lucas	60600767 (TAB 103)		25326,31-33,35-40,44,49-51,54-57,59-62,65,66,
		9937303 FIAT		69-72,74-80,82-85,87-89,97,98
1-LAS 41		54265216	9/3,5 x 11,6 x 15,9	25404,5,10,11
2-LAS 73			9/3,5 x 11,6 x 15,9	M 90 12 Volt
LASX 81-82				
P/N 0 1607 1	Lucas	60600944 (TAB 135)		M78R anticlock
				12 Volt
1-LAS 81		bus bar assembly 54291121/24	6,8 x 13,8 x 9,4	
2-LAS 82		brush & clip assy. 54291261	6,8 x 13,8 x 9,4	
LASX 83-84				
P/N 0 1610 1	Lucas	60600936 (TAB 133)		M78R clock
				12 Volt
1-LAS 83		bus bar assembly 54291119	6,8 x 13,8 x 9,4	
2-LAS 84		brush & clip assy. 54290791	6,8 x 13,8 x 9,4	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JA-SX 16-17				
P/N 0 1998 1	Mando Melroe			M0T84881 M0T85381
1-JAS 16			4,5 12 x 15,5 positive brush pair	36100-38090 M60081
2-JAS 17			4,5 12 x 15,5 negative single brush	M60082 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
MASX 3				
P/N 0 1662 1	Marelli			MT31AC,43DC 632 131 27
4-MAS 3	743 713 10,09010905		9 x 20 x 26	
MASX 13-14				
P/N 0 1663 1	Marelli			MT67A,AA,AB,AC,B,BA,C,CA,D,DA,DB,F,FA,FB,G,H,L 632 167 01-04,06-08,10,25-27,33,38,40,47,48,63
2-MAS 13		723 632 01, 09927791	8 x 25 x 23	24 Volt
2-MAS 14		723 632 02, 09927792	8 x 25 x 23	
MASX 15-16				
P/N 0 1664 1	Marelli			MT68AA,AB,B,BA,H,LA,LB,M,MA,MB,P,PA,Q,QA,R 632 168 02,8,11,14,15,16,25,26,27,33,
2-MAS 15		723 632 03/05/07,9929080	10 x 25 x 23	51,59,73,74,76,98
2-MAS 16		723 632 04/06,9928448	10 x 25 x 23	12 Volt - 3,5 kW
MASX 17-18				
P/N 0 1665 1	Marelli			MT71A,D,E,FA,H,L,LA,N,R,S,T,U,V,Z 632 171 01,04-08,10,12,16-21,25,38,47,73,82
2-MAS 17		723 837 01, 09956556, 79019316	9 x 16 x 23	632 174 01-04 12 Volt
2-MAS 18		723 837 02, 09956552, 79019317	9 x 16 x 23	
MASX 19-20				
P/N 0 1666 1	Marelli			MT72AB 632 172 25
2-MAS 19		723 837 03/05	9 x 16 x 23	24 Volt - 3,0 kW
2-MAS 20		723 837 04/06	9 x 16 x 23	
MASX 21-22				
P/N 0 1668 1	Marelli	(721 650 01 + 721 659 01)		MT 67 AD,CB 632 167 31,41
2-MAS 21		721 624 02	8 x 25 x 23	24 Volt - 4,0 kW
2-MAS 22		721 624 01	8 x 25 x 23	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
MASX 23-24				
P/N 0 1669 1	Marelli	(721 647 01 + 721 658 01)		MT 68 AD,LC,MC,PA,PB,RA,S,T 632 168 17,18,31,52,61,84,96
2-MAS 23		721 624 04	10 x 25 x 23	12 Volt - 3,5 kW
2-MAS 24		721 624 03	10 x 25 x 23	
MASX 25-26				
P/N 0 1670 1	Marelli	(721 641 01 + 721 660 01,02) (721 641 01 + 721 684 01)		MT 71 AB,DB,FB,GB,HB,RB,SB,LA,TA,UA,VA MT 74 AA,BA,DA
2-MAS 25		721 613 02	9 x 16 x 23	632 171 26,48,54,56,58,63,80,86,88,97
2-MAS 26		721 613 01	9 x 16 x 23	632 174 07,08,10,25,33,47 12 Volt - 2,5 kW
MASX 27-28				
P/N 0 1671 1	Marelli	(721 641 02 + 721 657 01)		MT 72 AB 632 172 26
2-MAS 27		721 613 04	9 x 16 x 23	24 Volt - 3,0 kW
2-MAS 28		721 613 03	9 x 16 x 23	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 23				
P/N 0 1980 1	Melco			SM302-02
				SM302-07
4-JAS 23		M648D10471	6,0 x 14 x 16	SM302-08
				SM-302-18
	Mazda	0135 18 444A,445A		31200-PC6-663
	Mitsubishi	MD602593,594		31200-PD2-663
				31200-PEO-664
				31200-PE1-674
				31200-PH3-953
				12 Volt
JASX 29				
P/N 0 1949 1	Melco			ME-Y1R
				ME-Y3R
4-JAS 29		M648C10171	6,8 x 16,5 x 14	12 Volt
		M648C10671		
	Mazda	0603-23-643		
	Mitsubishi	E64457044M		
	Nissan	23380-10611		
		23380-21010		
JASX 38				
P/N 0 1936 1	Melco			M2T54272
				M3T54071 / -72
4-JAS 38		M648C25271	8 x 20 x 18	12 Volt
		M648C25273		
		Brush Holder:		
		M649T04372/MD607461		
JASX 40-41				
P/N 0 1953 1	Melco			M1T71381/71881
				12 Volt
1-JAS 40		M647C00271,272	4,5 x 12 x 17,5	
		M647C00571,573		
2-JAS 41		M648C31171	4,5 x 12 x 17,5	
	Mitsubishi	MD611216		
		MD611217		
	Nissan	23380-421-70		
		23379-AA000		
		Brush-Holder		
		M649T09371/M649T01271		
JASX 42-43				
P/N 0 1954 1	Melco			M1T71781
				M1T74381
1-JAS 42		M647C00371	4,5 x 18 x 17,5	M1T75781
		M647C00671		M1T66081
		M647C01771		M1T74081 / -081A 7 -087
2-JAS 43		M648C32971	4,5 x 18 x 17,5	M1T74281
				M1T74481
		Brush Holder:		M1T74491
		M649T01671/M649X01771		M1T74583
				M1T74851
	Mazda	N327-18-X66		M1T75181
	Mitsubishi	MD611918		M1T75781 12 Volt
JASX 44-28				
P/N 0 1941 1	Melco			M1T60281/ -285 / -285A
				M001T60281 / -285 / -285A
1-JAS 28		pair of negative brushes	4,5 x 12 x 12,5	12 Volt
1-JAS 44		pair of positive brushes	4,5 x 12 x 12,5	
		Brush Holder:		
		M321X05171		
		M647X03471,04571		
		M647X05571,05871		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 45-46				
P/N 0 1956 1	Melco			12 Volt
1-JAS 45		M647C00171	4,5 x 10 x 17,5	
2-JAS 46		M648C16471	4,5 x 10 x 17,5	
		Brush Holder:		
		M649T01571		
	Mitsubishi	MD607897		
		MD607899		
JASX 47-48				
P/N 0 1957 1	Melco			M5T25373
				M5T27672
2-JAS 47		M648C20371	6,5 x 19 x 19,3	12 Volt
		M648C22371		
2-JAS 48		M648C24471	6,5 x 19 x 19,3	
		M648C24472		
		M648D20671		
		M648D20771		
	Mazda	0839-24-723		
	Mitsubishi	MM502019		
		MM502135		
	Nissan	23379-37504		
		23379-99008		
		23379-J2000		
		23380-37504		
		23380-37505		
		23380-J2000		
		29042-L7000		
		29142-L5000		
		29142-L7005		
		29242-L4005		
JASX 68-73				
P/N 0 1976 1	Melco			M1T70483,72581,72583,
				73281,73283,73383,
1-JAS 68	Positive Pair	M647C00871	4,5 x 12 x 16,5	77681
2-JAS 73	Single Brush		4,5 x 12 x 16,5	12 Volt
		Brush-Holder		
		M649T09371		
	Mitsubishi	MD611731		
JASX 69-70(3)				
P/N 0 1970 1	Melco			M2T10171
				M2T20181A
1-JAS 69		M648C12170,12370	6,8 x 11,8 x 17,2	M2T20281
2-JAS 70		M648C13770	6,8 x 11,8 x 17,2	M2T23685
				M3T10475
		Brush Holder:		M3T10476
		M649T03571		12 Volt
	Mazda	0222-24-753		
		0426-24-753		
	Mitsubishi	MD602470/MD607389		
	Nissan	23380-U0110/E3010		
	Suzuki	31132-72030/31		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 69-70(4)				
P/N 0 1971 1	Melco			12 Volt
2-JAS 69		M648C12170	6,8 x 11,8 x 17,2	
2-JAS 70		M648C13770	6,8 x 11,8 x 17,2	
		Brush Holder: M649T04471 M649X03171,09571		
	Citroen	JMTSX 100		
	Mazda	0222-24-750/0222-24-753 0426-24-753/N202-24-750		
	Mitsubishi	MD602468/MD607420		
	Nissan	23378-N5911 23380-U0110/B5010/E3010		
	Peugeot	JMTSX 100		
	Suzuki	31132-72030/31		
JASX 70				
P/N 0 1967 1	Melco			12 Volt
4-JAS 70		M648C13770 M648C10371B	6,8 x 11,8 x 17,2	
		Brush Holder: M649T04171,04973		
	Mazda	0222-24-753/N202-24-750		
	Mitsubishi	MD602069/MD607949/MM50234		
	Nissan	4 23380-E3010 23378-N5911/N5910		
JASX 71				
P/N 0 1973 1	Melco			M4T66074 M4T66173
4-JAS 71		M648C25671	8 x 24 x 17	12 Volt
		Brush Holder: M649T02171,02172		
	Mazda	SE01-24-750 R201-18-X66		
	Mitsubishi	MD611024/ME700858		
JASX 71-72				
P/N 0 1972 1	Melco			M2T60171 M2T60571
2-JAS 71		M648C25671	8 x 24 x 17	M2T66072
2-JAS 72		M648C25672	8 x 24 x 17	M2T92071 M2T92171/172
		Brush Holder: M649T04971,4972		M2T92271 M3T56089 M3T56183
	Mazda	R201-18-X66 R201-24-750 S203-24-750 SE01-24-750		M3T66572 M3T67171/172 12 Volt
	Mitsubishi	ME700047/ME700290 ME700939		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 82-83(3)				
P/N 0 1981 1	Melco			12 Volt
1-JAS 82		M648C14970	7 x 10 x 17	
2-JAS 83		M648C14870/-15070	7 x 10 x 17	
		Brush Holder: M649T01371,4871		
	Mando Melroe	36173-11140		
		36170-2170 Brush-Holder		
	Mazda	E301-24-753		
		E501-24-753		
	Mitsubishi	MD607554MD607556 (3)		
	Nissan	23380-M8310		
		23380-M8311		
	Suzuki	31131-80090		
		31132-80090		
	Subaru	49206-5804		
		49207-5804		
JASX 82-83(4)				
P/N 0 1983 1	Melco			A2T20181/181D
				A3T22681
2-JAS 82		M648C14970/-14971	7 x 10 x 17	M2T30281
2-JAS 83		M648C14871/-15070	7 x 10 x 17	M2T30381
				M2T30385
	Mazda	B630-18-X66		12 Volt
		B660-18-X66		
		E301-24-750, -753		
		E501-24-753		
	Mitsubishi	MD607554/-556		
	Nissan	23379-M8310		
		23380-M8311		
	Suzuki	31131-80090		
		31132-80090		
JASX 90				
P/N 0 1989 1	Melco			12 Volt
4-JAS 90			8 x 20 x 17	
		Brush Holder: M649T04372		
	Mazda	1456-24-723		
		1456-24-750		
	Mitsubishi	MD607461		
	Nissan	23378-W2810		
JASX 91				
P/N 0 1990 1	Melco			M1T50172
				12 Volt
4-JAS 91		flex 42 mm	7 x 14 x 16	
		Brush Holder: M649T00771		
	Mitsubishi	M001T50172,471		
	Nissan	Diesel Gear Starter		
	Peugeot	205, 309 Diesel		
		JMTSX101		
JASX 96-97				
P/N 0 1995 1	Melco			24 Volt
2-JAS 96		M648C26371	6,8 x 18 x 18	
2-JAS 97			6,8 x 18 x 18	
		Brush-Holder M648X28671/M649T05072		
	Mitsubishi	ME700140/ME701169		
	Nissan	23330-T9000		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 98-99				
P/N 0 1994 1	Melco			M2T54871,M2T54881 M2T56181, M2T56182
2-JAS 98		M648C15372	6,8 x 18 x 18	M2T56185
2-JAS 99		M648C15472	6,8 x 18 x 18	M2T57271,M2T57273 M2T57771,M2T57773
		Brush Holder: M648X28271/M649T05071		M2T57871 M2T57881 M2T60172
	Mazda	8599-24-750		12 Volt
	Mitsubishi	MD618460 ME700127/ME701188		
	Nissan	23378-W3410		
NEW				
JASX 100				
P/N 0 1999 1	Melco			M0T20871 12 Volt
4-JAS 100	M648C35871		4,3 x 12 x 12.3	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JA-SX 21 (4)				
P/N 0 1987 1	Mitsuba			D7RSA7 D7RS7
4-JAS 21			6 x 14 x 15	SM302 31208-PC2-681 12 Volt
JASX 24-25				
P/N 0 1979 1	Mitsuba			D7RSA 4,8-11 Honda 31200 P45C0
1-JAS 24		5 x 17 x 16,5 negative Brush pair		Mitsuba SM402
1-JAS 25		5 x 17 x 16,5 positive Brush pair		12 Volt
	Valeo	186169,187387-390		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PLSX 3				
P/N 0 1690 1	Pal Magneton			09-914 0,7/0,8/12 10-199-4009/12 12 Volt
4-PLS 3		110-904300,02-8480-82	8 x 12 x 22	
PLSX 4				
P/N 0 1691 1	Pal Magneton	93-22-32		12 Volt
4-PLS 4			8,8 x 26,6 x 26	
PLSX 5				
P/N 0 1689 1	Pal Magneton			443 115 141 310/311 Skoda Favorit, Felicia
4-PLS 5		flex length 30mm	6 x 12,5 x 12,5	12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 60				
P/N 0 1284 1	Remy	1906945, 966 (D757) 1946400 (D760)		1107201,1107619-895, 1108284,1108300-8307,8390,9439
4-R 60			6,3 x 19,05 x 16	199829 5 MT,8MT,10MT,SD300 Hyster Fork Lift 12 Volt
RX 70 (4)				
P/N 0 1285 1	Remy	1906986, 1946407,483		24 Volt
4-R 70			9,5 x 19,05 x 19	
RX 87				
P/N 0 1287 1	Remy	1906958,962,968,987 (D759,D761)		30 MT,35 MT 12 Volt
4-R 87			9,5 x 19,05 x 19	
RX 92				
P/N 0 1296 1	Remy	1906918,989 1946426,487		1109961-98 24 Volt
4-R 92			7,9 x 19,05 x 19	
RX 95				
P/N 0 1288 1	Remy	1946434, 1976861		1107506-88 20MT,25 MT Clark Fork Lift 6/12 Volt
4-R 95			9,5 x 19,05 x 19	
RX 96				
P/N 0 1286 1	Remy	1852880 (D764)		22MT,27MT 12 Volt
4-R 96			7,9 x 19,05 x 19	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 120 (2)				
P/N 0 1250 1	Remy	3471506 (DR 751)		3471143 12 Volt
1-R 909		3471487	6 x 16 x 14	
1-R 924 C		3471488 w. clip	6 x 16 x 14	
RX 120 (2) S				
P/N 0 1298 1	Remy			12 Volt
1-R 909/0		3471009 w/o. Brush-Holder	6 x 16 x 14	
1-R 924 C		3471024 w.clip	6 x 16 x 14	
RX 120 (3)				
P/N 0 1291 1	Remy	3471764 w. Brush-Holder		12 Volt
1-R909		3471009 / 3471487	6 x 16 x 14	
1-R922		3471022	6 x 16 x 14	
1-R924		3471024	6 x 16 x 14	
RX 120 (4)				
P/N 0 1251 1	Remy	3471505 (DR 700)		3471141,144 12 Volt
2-R 909		3471009	6 x 16 x 14	
1-R 922-924 C		3471022 + 3471024 w. clip	6 x 16 x 14	
RX 120 (4) S				
P/N 0 1299 1	Remy			12 Volt
2-R 909/0		3471009 w/o. Brush-Holder	6 x 16 x 14	
1-R 922-924 C		3471022 + 3471024 w. clip	6 x 16 x 14	
RX 120/0 (2)				
P/N 0 1294 1	Remy	3471625		3471150 12 Volt
1-R 909/0		3471009 w/o. Brush-Holder	6 x 16 x 14	
1-R 924		3471024	6 x 16 x 14	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 120/0 (3)				
P/N 0 1292 1	Remy	3471764		3471169 12 Volt
1-R 909/0		3471009 w/o. Brush-Holder	6 x 16 x 14	
1-R 922		3471022	6 x 16 x 14	
1-R 924		3471024	6 x 16 x 14	
RX 120/0 (4)				
P/N 0 1295 1	Remy	3471783,3471834		3471155,169,170,173-176 12 Volt
2-R 909/0		3471009 w/o. Brush-Holder	6 x 16 x 14	
1-R 922		3471022	6 x 16 x 14	
1-R 924		3471024	6 x 16 x 14	
RX 122				
P/N 0 1280 1	Remy			40 MT 400,450 12 Volt
4-R122		1852884	9,5 x 38,1 x 21,4	
RX 124				
P/N 0 1281 1	Remy			50 MT 400 12 Volt
6-R124		1852887	7,9 x 38,1 x 20,6	
RX 134				
P/N 0 1282 1	Remy			42MT 12 Volt
4-R134		1852892	10,5 x 36,6 x24,4	
RX 134-2C				
P/N 0 1264 1	Remy			42 MT latest model 12 Volt
4-R134-2C		10159505 replaces RX 134 fits old Brush Holder	10,5 x 36,6 x24,4	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 135				
P/N 0 1283 1	Remy			37 MT, 41MT 12 Volt
4-R135		1852889	9,5 x 28,6 x 26,3	
RX 419-420				
P/N 0 1254 1	Remy			10479600,05,08,11,12 1113272,77,91
2-R 419		10457119	7,9 x 24,8 x 19,5	28 MT
2-R 420		10457120	7,9 x 24,8 x 19,5	Nikko Denki 0-23740-0110 24 Volt
RX 457-458				
P/N 0 1255 1	Remy			1113273-82,86-88,90 292,95-97
2-R 457		10456457	7,9 x 24,8 x 19,5	323-451
2-R 458		10456458	7,9 x 24,8 x 19,5	28 MT 12 Volt Clark,Hyster,MF
RX 911				
P/N 0 1252 1	Remy	R138		9000751,56,58 PG 100 12 Volt
4-R 911		1852898	5,5 x 15 x 14,5	Opel Unit-Nos. 21020892,21021648
RX 912				
P/N 0 1253 1	Remy	R139		9000786,798,804-806,812,819,822 827,834,835,850,851,853,
4-R 912		10499524	6 x 19 x 16	860-867,899,900 PG 260M 12 Volt
		Brush holder: 10475602		
RX 913-914				
P/N 0 1272 1	Remy			1045506,96208781,9627548 Daewoo
1-R 913		Positive Brush-Pair	4,6 x 13 x 11/12	SD80F 12 Volt
1-R 914		Negative Brush-Pair	4,6 x 13 x 11/12	
		Brush holder: 10475107		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 915				
P/N 0 1273 1	Remy			9000794,801,817,840 96208782,783,785
4-R 915		10484034	5 x 16 x 11/12,5	PG 150, PG 260F1 12 Volt
RX 916-917				
P/N 0 1274 1	Remy			PG 200, PG 250 12 Volt
1-R 916		Positive Brush-Pair	6,8 x 21,8 x 15,2	
1-R 917		Negative Brush-Pair	6,8 x 21,8 x 15,2	
RX 918-919				
P/N 0 1275 1	Remy			SD 210, SD 260 12 Volt
1-R 918		10499510	6,8 x 15 x 15	
2-R 919		10499509	6,8 x 15 x 15	
RX 122 H				
P/N 0 1256 1	Remy			40 MT 400,450 24 Volt
4-R122 H		1852883	9,5 x 38,1 x 21,4	
RX 124 H				
P/N 0 1257 1	Remy			50 MT 400 1114683,84,86,89
6-R124 H		1852888	7,9 x 38,1 x 20,6	24 Volt
RX 134 H				
P/N 0 1259 1	Remy			42MT 24 Volt
4-R134 H		1852894	10,5 x 36,6 x24,4	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 134 H-2C				
P/N 0 1265 1	Remy			42 MT latest model 24 Volt
4-R134 H-2C		10520138 replaces RX 134 H fits old Brush Holder	10,5 x 36,6 x24,4	
RX 135 H				
P/N 0 1260 1	Remy			37 MT, 41MT 24 Volt
4-R135 H		1852893	9,5 x 28,6x 26,3	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 55-76				
P/N 0 1738 1	Valeo	72 616F (Valeo 182 069)		D8L11,19,20 6/12 Volt
1-PS 55		44a30	10 x 18 x 14	
1-PS 76		44a	10 x 18 x 14	
PSX 64-70 (2)				
P/N 0 1741 1	Valeo	72 591A (Valeo 182 097)		D10B38-41,44,45 12 Volt
1-PS 64		34t19	7 x 18 x 17	
1-PS 70		34t	7 x 18 x 17	
PSX 64-70 (4)				
P/N 0 1742 1	Valeo	75 452X (Valeo 182 098,102,103)		D10E47,72-74,79,96 D11E79,D109,110,142,143,159,165
2-PS 64		34t19	7 x 18 x 17	12 Volt
2-PS 70		34t	7 x 18 x 17	
PSX 81-82				
P/N 0 1746 1	Valeo	72 631G, 300679 (Valeo 182 114) 75093 G (Valeo 182 115, 117)		D11E92,T,104,117-121,127,129,T,131,137, 141,146,149,153,T,154,155,158,160,167, -T
2-PS 81		70f	10 x 25 x 17	169,173,176,178,202 12 Volt
2-PS 82		70f34	10 x 25 x 17	
PSX 83-84				
P/N 0 1750 1	Valeo	72 630F (Valeo 182 132, 182 145)		D11E81,T,88,89,T,TE,90,T,98,T,TE,99,T, 103,114,122,T,124,125,128,T,130,138T,149
2-PS 83		70j	10 x 25 x 17	D13E63,T,64-66,T,69,T,70,T,71,73,TE
2-PS 84		70j34	10 x 25 x 17	74,TE,81,T,TE,82T,83-85,88,90TE,95, 100TE,101TE,104TE,105,108TE,111,112,116 24 Volt
PSX 88				
P/N 0 1756 1	Valeo	72 615E (Valeo 182 162)		D15E14-16,19-23,24,T,25-30,T,TE 24 Volt
4-PS 88		53j15	12 x 18 x 20	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 89-90				
P/N 0 1747 1	Valeo	594286		D13HP601,605 24 Volt
2-PS 89			10 x 25 x 20	
2-PS 90			10 x 25 x 20	
PSX 112				
P/N 0 1755 1	Valeo	78 900U (Valeo 182 146)		D13E76,77,86TE,87TE,93TE,94TE,96TE,98TE, 107TE,109TE,110TE
4-PS 112		47u53	10 x 18 x 17	24 Volt
PSX 115-116				
P/N 0 1757 1	Valeo	92 655V (Valeo 182 064)		D8E21,22,L25,E27,30,31,37,41,43,49,50,54,58-60 64,66,70,71,75-78,81-84,86-89,94-98,102,
1-PS 115		52h	7 x 18 x 14	104,106,108,109,112-115,117-126,129,132-134
1-PS 116		52h	7 x 18 x 14	136,137,139,140,142,144,147,151,152,158 D9E7,9,11,12,14-22,26-28,34,35,37,41 D10E43,48-50,53,54,57,63-65,69,76,80,84,86 12 Volt
PSX 115-116-121				
P/N 0 1759 1	Valeo	92 694G, 92 695H (Valeo 182 099,112,113,116,133)		D10E59,62,66 D11E58,69,75,78,84,85,108,123,139,T,140,144,
2-PS 115		52h	7 x 18 x 14	163,164,170,180,181,193 12 Volt
2-PS 116		52h	7 x 18 x 14	
PSX 119-120				
P/N 0 1760 1	Valeo	92 656W (Valeo 182 070) 78 166L(Valeo 182 072)		D8E26,29,34,L35,E40,44-46,51,52,62, 65,L65,67,73,E74,L80,90-93,E99,103
1-PS 119		55h	7 x 15 x 14	107,111,116,130,131,141,148,154
1-PS 120		55h	7 x 15 x 14	12 Volt
PSX 122-123-124				
P/N 0 1761 1	Valeo	92 765Z (Valeo 182 073)		D8E145,153,155,157 12 Volt
1-PS 122			9,7/4,2x12,4x15	
1-PS 123		(cable nu)	9,7/4,2x12,4x15	
1-PS 124		(cable isol.)	9,7/4,2x12,4x15	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 129				
P/N 0 1766 1	Valeo	92 878G (Valeo 182 065,594 065)		D9E31,40,43-46,49-55,62,74,75,77,79,85, 87,95,98,100,102,104,111,131,138,140,
1-PS 129 a		80hb	10,6/6,1x10,3x15	200,238,300,771-774,776,851,852
2-PS 129 b		80hb	10,6/6,1x10,3x15	12 Volt
PSX 130				
P/N 0 1767 1	Valeo	92 883, 300 687A (Valeo 182 068)		D9E32 12 Volt
1-PS 130 a		(cable 64 mm)	10,6/6,1x10,3x15	
1-PS 130 b		(cable 40 mm)	10,6/6,1x10,3x15	
2-PS 130 c			10,6/6,1x10,3x15	
PSX 132				
P/N 0 1769 1	Valeo	92 925 (Valeo 182 118)		D11E148,156,161,172,177,184, 187,188,191,192,195,272
2-PS 132 a		44t	10 x 18 x 14	12 Volt
2-PS 132 b		44ta	10 x 18 x 14	
PSX 132 K				
P/N 0 1762 1	Valeo	92 925 (Valeo 182 118)		12 Volt
2-PS 132a		44 t	10 x 18 x 14	
2-PS 132 c		44 ta with terminal	10 x 18 x 14	
PSX 133 K				
P/N 0 1763 1	Valeo	300706 (Valeo 182 067)		12 Volt
1-PS 133 b			13,9/6,9x12x15	
1-PS 133 c		with terminal	13,9/6,9x12x15	
	alternative Brush Set for PSX 133			
PSX 133				
P/N 0 1770 1	Valeo	300 706Z (Valeo 182 067,594 066)		D9E36,38,39,48,56,57,61,64,66,68-70,76,78, 81-83,86,92-94,101,107-110,113,114,
1-PS 133 a		79hb	13,9/6,9x12x15	123-125,127,129,132,136,137,237,
1-PS 133 b		79hb	13,9/6,9x12x15	276,278,701,702,861 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 136-137				
P/N 0 1771 1	Valeo	300 841H, 300 842		D10E85,87-90,92,881,882,921,922 12 Volt
2-PS 136		81ta	7 x 15 x 18,5	
2-PS 137		81ta	7 x 15 x 18,5	
PSX 138-139 (2)				
P/N 0 1775 1	Valeo			D9R84 D9R121
1-PS 138		82aa	9 x 18 x 22	12 Volt
1-PS 139		82aa Valeo 182 054	9 x 18 x 22	
PSX 140-141 (4)				
P/N 0 1776 1	Valeo			D9R73,89-91,96,99,105,106,118,122,126, D9R135,139,142 12 Volt
2-PS 140		82ta	9 x 18 x 22	
2-PS 141		82ta Valeo 182 051	9 x 18 x 22	
PSX 142-143				
P/N 0 1779 1	Valeo			D7R 12 Volt
2-PS 142		185658 cable nu 35 mm	7 x 14 x 13,7	
2-PS 143		185658 cable isol. 35 mm	7 x 14 x 13,7	
PSX 142-144				
P/N 0 1752 1	Valeo			D7R5,11,15 12 Volt
2-PS 142		187778 cable nu 35 mm	7 x 14 x 13,7	
2-PS 144		187779 cable isol. 55 mm	7 x 14 x 13,7	
PSX 142-145				
P/N 0 1754 1	Valeo			D7R VW 12 Volt overload protection starter
2-PS 142		185658,187639,191861 cable nu 6 mm², 35 mm	7 x 14 x 13,7	
2-PS 145		188571,191663,191862 cable isol. 3 mm², 55 mm	7 x 14 x 13,7	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 146-147 w/o spring				
P/N 0 1783 1	Valeo			D6RA8,10 SH 1.2 kw 12Volt
1-PS 146				
1-PS 147				
PSX 146-147				
P/N 9 1777 1	Valeo	594064		D6RA8,-10 SH 1.2 kw 12 Volt
1-PS 146	184602		4,5/9 x 11 x 14	
1-PS 147			4,5/9 x 11 x 14	
2-Isolants				
1-Ressort	sans ressort P/N 0 1783 1			
PSX 148-149 w/o spring				
P/N 0 1773 1	Valeo			D6RA5,6,12,16,18,20,38,45,61 SH 1.1/1.2 kW 12 Volt
1-PS 148				
1-PS 149				
PSX 148-149				
P/N 9 1778 1	Valeo	594060		D6RA5,-6,-12,-16,-18,-20 D6RA38,-45,-61 SH 1.1/1.2 kw
1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	12 Volt
1-PS 149	564834		4,5/9 x 11 x 18	
2-Isolants				
1-Ressort	sans resort: P/N 0 1773 1			
PSX 148-149/0				
P/N 0 1774 1		594060		12 Volt
2-PS 148/0			4,5/9 x 11 x 18	
2-Isolants				
		Alternative Brush-Set with flex only		
PSX 148-157 w/o spring				
P/N 0 1777 1	Valeo			D6RA52-56,59,60,62,63,66,70,72,75,141,161,661,721 SH 1.0/1.05/1.1/1.2/1.3 kW
1-PS 148			4,5/9 x 11 x 18	SIH 1.1/1.2 kW 12 Volt
1-PS 157			4,5/9 x 11 x 18	
2-Isolants				

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 148-157				
P/N 9 1779 1	Valeo	594063 594127 594257		D6RA7,-13,-15,-17,-19,-21-23,-25-30, D6RA32,-34,-39-44,-46,-48-50, D6RA52-56,-59,-60,-63,-66,-70,-72, D6RA75,-141,-161,-661,-721
1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	SH 1.0-1.3 kw
1-PS 157	186772,187068	188855	4,5/9 x 11 x 18	SIH 1.1/1.2 kw
2-Isolants				12 Volt
1-Ressort	sans ressort: P/N 0 1777 1			
PSX 148-158 w/o spring				
P/N 0 1768 1	Valeo			D6RA33,37,47,51,57,101,133,571 SH 1.0/1.1/1.2/1.4 kW 12 Volt
1-PS 148			4,5/9 x 11 x 18	
1-PS 158			4,5/9 x 11 x 18	
2-Isolants				
PSX 148-158				
P/N 9 1780 1	Valeo	594169 594386		D6RA33,-37,-47,-51,-57, D6RA101,-133,-571 SH 1.0-1.4 kw
1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	12 Volt
1-PS 158	186865,187870	188430	4,5/9 x 11 x 18	
2-Isolants				
1-Ressort	sans ressort: P/N 0 1768 1			
PSX 148-159 w/o spring				
P/N 0 1778 1	Valeo			D6RA67,78-81,91,167,180,181 SH 1.0/1.1 kW 12 Volt
1-PS 148			4,5/9 x 11 x 18	
1-PS 159			4,5/9 x 11 x 18	
2-Isolants				
PSX 148-159				
P/N 9 1781 1	Valeo	594317 594360		D6RA67,-78-81,-91, D6RA 167,-180,-181 SH 1.0/1.1 kw
1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	12 Volt
1-PS 159	186925,187737	188150,188803	4,5/9 x 11 x 18	
2-Isolants				
1-Ressort	sans ressort: P/N 0 1778 1			
PSX 152-153				
P/N 0 1780 1	Valeo	182037		D13E117TE-123TE D13HP701-705,709
4-PS 152			10 x 18 x 17	24 Volt
2-PS 153			10 x 18 x 17	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 155 (3)				
P/N 0 1727 1	Valeo			D7E 1,16,29-32 SH 0.7/0.8/0.85 kW
3-PS 155		187144 Brush holder: 594290	6,4 x 8 x 11	12 Volt
PSX 155 (4)				
P/N 0 1728 1	Valeo			D7E4,6,8,15,18-20,22,27 D7ED28
4-PS 155		187144 Brush holder: 594351	6,4 x 8 x 11	SH 0.8/0.85/1.0 kW 12 Volt Mercedes A-Class
PSX 156				
P/N 0 1726 1				SIH 0.9 kw
4-PS 156		187888 Brush Holder: 188279,190172, 190396,594381	6,4 x 8 x 11	VW 12 Volt
PSX 160-164				
P/N 0 1735 1	Valeo	190986, 191060		190365 D7G 3,4,6
2-PS 160		positive brush with 2 shunts 28mm	7 x 13 x 11,5	SH 1.5-1.7 kW 12 Volt overload protection starter
2-PS 164		negative brush with 1 shunt 25,5mm	7 x 13 x 11,5	Audi,BMW, PSA
PSX 161				
P/N 0 1737 1	Valeo			D8R 1,27 SH 1.9/2.4 kW 12 Volt
4-PS 161		1903131	7 x 14 x 13,7	
PSX 163-164				
P/N 0 1740 1	Valeo	190987,191824		D7G SIH 12 Volt overload protection starter
2-PS 163		posotive brush with 2 shunts 50mm	7 x 13 x 11,5	VW
2-PS 164		negative brush with 1 shunt 25,5mm	7 x 13 x 11,5	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 166-167				
P/N 0 1743 1	Valeo			D6G1,2,3,5 SH c/w 12 Volt
2-PS 166		191849	3,9/6,4 x 10 x 15,5	BMW, Fiat, Mercedes, PSA
2-PS 167		191771	3,9/6,4 x 10 x 15,5	
PSX 168-167				
P/N 0 1744 1	Valeo			D6GSP19 SH c/w 12 Volt
2-PS 168		192985	3,9/6,4 x 10 x 15,5	overload protection starter Audi
2-PS 167		191771	3,9/6,4 x 10 x 15,5	
PSX 169-170				
P/N 0 1745 1	Valeo			D6GS11-13 SIH a/c 12 Volt
2-PS 169		191772	3,9/6,4 x 10 x 15,5	overload protection starter VW
2-PS 170		191773	3,9/6,4 x 10 x 15,5	
NEW **PSX 171-172**				
P/N 0 1739 1	Valeo			ESW20E26 ESW20ER 6,-20,-25 ESW20ER 121,-123
4-PS 171	single brush		7 x 11 x 12.5	1.6/2.0 kw 12V
2-PS 172	pair of brushes two component grade		7 x 11 x 12.5	Renault 1.6 D VW 2.0 TDI
USX 44-21				
P/N 0 1351 1	Valeo	75217 (Valeo 182 194)		371A,376A,381ABCD,393A,398A,401A,426A,434A 6010ABDE,18A,60A,80B,6112ABCDE,13AB,
1-US 44		93541	8 x 15 x 15	6120A,35ACDE,48A,67A,88A
1-US 21		93543	8 x 15 x 15	6 Volt
USX 45-23				
P/N 0 1352 1	Valeo	75226		391A,6023A,B,C,D,E 12 Volt
1-US 45		93611	8 x 15 x 15	
1-US 23		93612	8 x 15 x 15	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
USX 50-51 (2)				
P/N 0 1353 1	Valeo	79325		350B,384A,385A,395A,396A,399AB,414AB, 422ABC,423ABC,429AB,430AB,442AB,
1-US 50		98067,79249,680548	8,8 x 19,05 x 13	6002A,3A,38A,41A,43A,54AB,66A,67A,69A,
1-US 51		98068,79248,680549	8,8 x 19,05 x 13	6094A,96A,6123AB,25A,56A,82A 6/12 Volt
USX 50-51(4)				
P/N 0 1354 1	Valeo	618509		412A,428AB,429B,430B,432A,443AB 6008ABC,39A,40A,56ACDEFGHJ,62A,68A,
2-US 50		98067,79249,680548	8,8 x 19,05 x 13	6070A,75A,76A,79BCD,83ABCD,85A,88A,89A,
2-US 51		98068,79248,680549	8,8 x 19,05 x 13	6097A,98A,99ABCD 6103A,4A,8A,9ABCDEFGHJ,KL,10ABC,16A-18S 6127ABC,40A,42A,46A,53A,58A,60ABCDEFG, 6164ABC,68AB,69AB,77ACD,79A,80AB,82A 6184AC,92ABCJ,KL,93AB 6207ABC,9AB,29AB,30AB,32A,33A 536 001,2C 538 000ABC, 1A-3A,5AD,6A 618 072H,75AC,89AB 6/12 Volt
USX 60-59				
P/N 0 1355 1	Valeo	75238, 618481		434B,5130A 6020ABCD,23BCDE,33,34AB,35ABCDE
1-US 60		99562	8 x 15 x 15	6048,49A,50ABC,73ABCD,77ABC,81ABCDEF,
1-US 59		99556	8 x 15 x 15	6101AB,21A,22AB,28AB,29A,30A,34ABCDEFGH, 6136ABD,37ABCDEF,38ABC,39AB,43A,44AB,47AB, 6155ABCEG,57A,61ABCEFH,62ACE,70A,71A, 6172AB,74ABCDEFG,75AB,76ABCEG,81A,83ABCFG, 6185ABC,87ABCEF,89ACDEF,90AB,95A,97A 6202AB,3ABCD,6AB,8A,12AB,15ABCD,16ABC,17ABCDE, 6219ABC,20ABC,21A,23A,24BCD,26A,27ABCD,31ABCD, 6236BC,37ABCD,38ABCD,40A-42A,44A,45A,47AB, 532000AB,1AB,2ABC,3AB,4ABC,5A,7A,8ABC,9AB, 532010AB,11A,14A,17A,18A,20AB, 533000A-4A 583008 618070,71,73,74,77,78,91, 618358,482,484,490 618565,795 12 Volt
USX 73-85				
P/N 0 1361 1	Valeo	618491		6020EF,35F,77BC,81EF 6134FGH,36ABD,37ABCE,39BC,44AB
1-US 73		(cable 41 mm)	8 x 15 x 15	6155HIKL,61ABCEFH,62ACE,
1-US 85		(618 421)	8 x 15 x 15	6172B,74ADBCEFGH,75AB,76EG 6181A,83ABCFG,85ABC,87CEF,89DEF, 6190AB,95A,97A, 6201ABCD,2AB,3ABCD,6AB,8AB,12AB,15ABCD, 6216ABC,17ABCDE,18A,19ABC,20ABC,21A-23A, 6224ABCD,26A,27ABCD,31ABCD,36BC,37ABCD, 6238ABCD,40A-42A,44A,45A,47AB 6627AB 532000AB,1AB,2ABC,3AB,B,4AB,C,5A,7A,8ABC 532009AB,10AB,11A,14A,17A,18A,20AB, 533000A,1A,2A,3A,4A 618074,77,91 618482,84 12 Volt
USX 76-77-78				
P/N 0 1363 1	Valeo	618539		6178ABCDE,6200AB,25AB,39AB, 536 001A
2-US 76		22136 (cable 48 mm)	8 x 15 x 15	618 076ABC 12 Volt
1-US 77		22142 (cable 58 mm)	8 x 15 x 15	
1-US 78		22143 (cable 53 mm)	8 x 15 x 15	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
USX 91-92				
P/N 0 1367 1	Valeo	583041 (618691,692)		6202CDEF,17FGH,41B,46AC 532012AB,16AB,21A,23A,24AB,25AB,26A
1-US 91		(680 752)	6/11,7 x 13 x 15	534000A,2A,3ABC,4AB,5ABC,7A,9ABC,23A,24A,29A,31A
1-US 92		(680 753)	6/11,7 x 13 x 15	534032A,39A,42AB,43AB,44A-49A,50AB,51A,52A,53C,54D 534055E,57A 12 Volt
USX 93-94				
P/N 0 1368 1	Valeo	583241, 583320		532024AB,25A,27A 534024A,25A,27A,28A,35A,36A
2-US 93			5,5/8,2x13,1x15/18,5	12 Volt
1-US 94			5,5/8,2x13,1x15/18,5	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
HX 3				
P/N 0 1795 1	LEECE/ NEVILLE			
2-H 3		(H 3 R)	7,1 x 7,1 x 14,3	
HX 6				
P/N 0 1785 1	LUCAS / SMITH			Lucas EWD Smith eHS 340, MKI
2-H 5/6			6,3 x 6,3 x 11,9	
HX 16				
P/N 0 1794 1	DUCELLIER			
2-H 16		92 330 / 90 177	6 x 6 x 11,5	
HX 26				
P/N 0 1796 1	WEBASTO			
2-H 26			9 x 6 x 16,5	
HX 54				
P/N 0 1793 1	BOI-WO			
2-H 54		EP523BOS Heat-on	5 x 6,4 x 10	
HX 56				
P/N 0 1786 1	ELEKTROLUX			Volvo KS3442/21/140
2-H 56			5 x 6 x 12,7	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
HX 106				
P/N 0 1798 1	AVOG			
2-H 106		00-14-16-31	12 x 8 x 21	
HX 109				
P/N 0 1797 1	WEBASTO			
2-H 109		30HL1A, 1599-1721-0602	5 x 6,4 x 15	
HX 116				
P/N 0 1790 1	Bosch	3 137 014 109 / 100		0 130 056 ... 0 130 057 ...
2-H 116		3 134 320 026 / 025	6,3 x 6,3 x 11	0 130 059 ... 0 130 065 001,008 0 130 997 005 CPH, CRG, CRH
HX 124				
P/N 0 1791 1	Bosch	3 137 014 123 / 163		0 130 106 001,003,005,008,012,014,016 0 130 205 001
2-H 124	3 134 320 035 / 061		8 x 8 x 14	DPC, EPA12
HX 155				
P/N 0 1788 1	Bosch	3 137 014 171		0 130 061 ... 0 130 063 ...
2-H 155		3 134 320 155	8 x 6,3 x 11	0 130 068 001,004,006,009,011,013,017 CPA, CPB, CPL
HX 161				
P/N 0 1799 1	Bosch	3 137 014 162		0 130 106 002,004,007,010,015,017,019, 0 130 106 020,024,025,028-035
2-H 161		3 134 320 161	6,3 x 5 x 12,5	CPK

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
HX 172				
P/N 0 1789 1	Bosch	3 137 014 202		0 130 701 019 JPK24
2-H 172		3 134 320 101 / 172	8 x 8 x 15	
HX 341				
P/N 0 1792 1	Bosch			
2-H 341		3 134 320 341	8 x 10 x 19,5	
HX 346				
P/N 0 1787 1	Bosch	3 137 014 111		0 130 103 ... 0 130 104 001
2-H 346		3 134 320 164 / 346	8 x 6,3 x 14	0 130 105 ... 0 130 107 001,003 DPG12, DRB, DRH12

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	GSX 1				
	P/N 0 1370 1	Bosch	2 137 014 006		0 136 401 006-008 0 136 402 007
	4-GS 1		2 134 320 036	6 x 22 x 25,5	0 136 403 002-007 KND(R) 24V 500W 24 Volt
	GSX 4				
	P/N 0 1371 1	Bosch	2 137 014 014		0 136 355 011,013,029,030,038,045 INA(R) 12V 1500W
	4-GS 04		2 134 320 015	9 x 13 x 25,5	INA(R) 24V 2000W
	GSX 7				
	P/N 0 1372 1	Bosch	2 137 014 025		0 136 500 009,025,026,028 0 136 501 001,003,004,010,011,013,016,020,
	4-GS 7		2 134 320 056	6 x 28 x 30,5	0 136 501 021,032,033,040,045,046,051 0 136 504 011 MM/RQL 24V 1800W QR/MQL 24V 1000/2500W QRD/DD 24V 1200W QRL/MD 24V/48V 1000/1800/1900/3000W
	GSX 8				
	P/N 0 1373 1	Bosch	2 137 014 026		0 136 500 029,031-033,035,036,039-042 0 136 501 042,043,049,055,056,060-062,065,
	4-GS 8		2 134 320 059	8 x 28 x 30,5	0 136 501 069,071-073,075-077,079-081,083 0 136 501 088,090,091,093,095-097 0 136 503 014,015 QR/RQL 24V 1500W QRL/QL 24V/48V 1500/3000/3700W
	GSX 9				
	P/N 0 1369 1	Bosch	2 137 014 027		0 136 355 014,016,018,021,023-025, 0 136 355 031,032,037,040
	4-GS 9		2 134 320 024	9 x 26 x 25,5	INA 12 / 24V
	GSX 11				
	P/N 0 1374 1	Bosch	2 137 014 030		0 136 602 009 0 136 603 001
	4-GS 11		2 134 320 007, 009	10 x 28 x 30,5	TRL/QL 48V 3000W 48 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	GSX 15				
	P/N 0 1375 1	Bosch	2 137 014 038		0 136 350 010 0 136 352 005
	4-GS 15		2 134 320 066	9 x 26 x 25,5	0 136 353 010,011 0 136 355 049,050,57-61,064-068,070-072, 0 136 355 074,076-078,081 INA(R) 12V 1400W INA(R) 24V 2300W Hesselman
	GSX 16-17				
	P/N 0 1376 1	Bosch	2 137 014 040		0 136 500 034 501 054,066,067
	3-GS 16		2 134 320 038	10 x 50 x 30	503 010
	1-GS 17		mit Meldelitze	10 x 50 x 30	24/48 Volt
	GSX 18				
	P/N 0 1377 1	Jungheinrich			24 Volt
	4-GS 18		28717910	8 x 28 x 30,5	
	GSX 19				
	P/N 0 1378 1	Jungheinrich			24 Volt
	2-GS 19		50002735	8 x 16 x 20	
	GSX 20				
	P/N 0 1379 1	Jungheinrich			24 Volt
	4-GS 20		50010069	12,5 x 20 x 25	
	GSX 21				
	P/N 0 1383 1	Jungheinrich			24 Volt
	4-GS 21		50040491	12,5 x 32 x 32	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
GSX 22				
P/N 0 1384 1	Still-Wagner			24 Volt
4-GS 22		8402140	8 x 28 x 30,5	
HPIX 2				
P/N 0 1801 1	MAD4 Faurecia LINDE			12 Volt
4-HPI 2		145 110 400 070 Fork-Lift Linde	5,95 x 14,2 x 27	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
HPIX 1				
P/N 0 1800 1	MAD Faurecia			
4-HPI 1		145 110 411 034 HPI-KOYO	6,95 x 12,4 x 20,3	
HPIX 3				
P/N 0 1802 1	MAD2 Faurecia			Citroen Saxo, Peugeot 106 Renault Kangoo
4-HPI 3		141 110 411 037 Brush Card: 7 5001 0 and 7 5002 0 Spring Kit: 7 5101 2	5,95 x 12,4 x 20	Renault Trafic Engine Cooler
HPIX 4				
P/N 0 1803 1	Siemens - VDO			Mercedes A-class
4-HPI 4		Brush Card: 7 5003 0	5,45 x 12,2 x 22	
NEW	**HPIX 5**			
	P/N 0 1804 1			BMW Mini
4-HPI 5		145 110 400 072 Brush Card: 7 5004 0	5.90 x 10.8 x 27	

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BÜRSTENHALTER UND BÜRSTENHALTER-KITS

BRUSH-HOLDERS AND BRUSHOLDER-KITS

PORTE-CHARBONS ET KITS PORTE-CHARBONS

IKA-No.	Original	References	Unit-Nos.
7 7114 1	Bosch	1 001 329 900 1 004 336 025,028,029,034, 055 with 2 negative brushes and 4 springs	0 001 208 200-202,204,216-218, 224,229,233,403,404, 411,412,416,419, 425-429 211 200-208,210,215, 218-225,233-236,239, 242-249,251,253,254, 257,258,992,993,997 212 199,202-214,400-403 EB(L) 12V 08./0.95 kW EB(R) 12V 0.7/00.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW
7 7115 1	Bosch	2 004 336 027,041,099 with 2 negative brushes and 4 springs	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
7 7117 1	Bosch	1 004 336 009,033,036, 1 004 336 040,046,057 1 007 010 027 with 2 negative brushes and 4 springs	0 001 208 006, 007 214 002 215 001 311 024,030,031,047,050-52 054-056,100,103,107 108,110,111,113,115 120,123,124,126,130 138,139,146,147,149 312 101-111 313 006 314 005,006,009-015,017, 314 018,024-029,032,034, 314 036-038,042,043,045-47,049 315 005 EF(L/R) 12V 0.8 kW GB(L/R) 12V 1.5 kW GF(L) 12V 1.0-1.5 kW GF(R) 12V 1.0-1.6 kW
7 7118 1	Bosch	1 004 336 027 with 2 negative brushes and 4 springs	0 001 207 003,005,009,015,018 EF(L/R) 6V 0.5 kW

IKA-No.	Original	References	Unit-Nos.
7 7119 1	Bosch	2 004 336 028,044,067 with 2 negative brushes and 4 springs	0 001 367 001-018,020-025,027-032 034-039,041-048,050-052 054-059,061-068,070-072 074-079,081-082,300-303 0 001 369 001-006,012-018,020-024 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW
7 7120 1	Bosch	2 004 336 031,046 with 2 negative brushes and 4 springs	0 001 368 001,002,004-007,009, 010,012-014,016,018-022 024,027-031,034-041 047,049,050,052,055-060 062,063,068-073,076,077 077,079,081,082,085,086 088,300,301,303,305-307 309-313,315-317,319-321 9 000 143 600-604 IF/JF(R) 24V 4.0 kW
7 7121 1	Bosch	1 004 336 900 with 4 brushes BS 140 and 4 springs	0 001 312 108,109 317 007-013,016-019 317 022-025 GF(L/R) 12V 1.7 kW
7 7122 1	Bosch	1 004 336 901 with 4 brushes BS 149 and 4 springs	0 001 208 702,706,707,709-715, 208 717-719 9 000 333 106,114,117 EF(R) 12V 0.8-0.95 kW
7 7123 1	Bosch	1 004 336 822,838,856,861 F 000 AL1 921 AL2 050-052	0 001 116 001,003-006,008,009 DM(R/L) 12V 0,7kW mono brushes

	IKA-No.	Original	References	Unit-Nos.
	7 7124 1	Bosch	1 004 336 300,318,346,411, 418,419,423,436, 439,443,740,747, 748,762,806,812, 816,837,912,913, 921,922,960,965, 968,986,995,998	0 001 108 004,019,020,022, 024-027,048,051-053, 056,063-064,070,075 080,081,088-090,093, 098,100-102,107,111, 112,115,118-122, 124-126,128,130,131, 133-137,138-141, 144-146,149-151, 153-156,158-160,162, 166,167,169,171, 173-178,183,184,188, 189,197,995,996 111 002-004 F 002 G20 049,052,101,141, 449,500,639 F 005 M00 010,011,013,016 F 010 AL0 103 DW(R) 12V 1.1-1.4 kW DW(R) 24V 1.6 kW
	7 7125 1	Bosch	1 004 336 217,302,815,817, 834,843,844,846, 865,915-917,928, 939,940,943,952, 953,963,967,969, 992,993 9 000 081 094 F 000 AL1 050-052,054,055, 326,396,483,532, 918,919 AL2 034,035,109	0 001 112 003-029,032-039, 041,044,045 113 001-015,017 114 003-006,008-010, 014-017,020-022 133 003,004 9 000 081 001,003,009 9 000 695 003 F 000 AL0 109,300-302,402 DA(L) 12V 0.9 kW DM(L/R) 12V 0.8-1.1 kW mono brushes
	7 7126 1	Bosch	1 004 336 326,417,428,435, 746,776,820,821, 951,987	0 001 106 016 107 003-008,011,020-024, 040,046,052,053, 058,080,090 121 006-011,016-019,022, 023 F 002 G20 318 DB/DW(L) 12V 1.1 kW
	7 7127 1	Bosch	1 004 336 257,402,459, 732,927,958, 983,988,991	0 001 109 011 110 001,002,009,010,031, 032,039,061,062,070, 076,077,084,085, 098,099 125 005-006,009,010, 018,019, DB/DW(L) 12V 1.7-2.0 kW

IKA-No.	Original	References	Unit-Nos.
7 7128 1	Bosch	1 004 336 426,442,467, 772,811,904,911, 919,923,961	0 001 108 005,014,015,021, 050,058-060,076,077, 094-097,099,127, 147,168 111 001,005 DW(L) 12V 1.1-1.4 kW DW(L) 24V 1.6 kW
7 7129 1	Bosch	1 004 336 400,401,404,405, 455,458,730,731, 734,735,864,909, 914,924,925,931, 942,947,955,956, 959,981,984 field coil connector 66.5 mm	0 001 109 001-003,006-008, 110 004,007,008,012, 013,016,019,022-024, 027-030,039,042-046, 048,049,051,0513-056, 063,064,066,067,075, 078,083,090,091,102, 106-108,120,122,123, 999 DB/DW(R) 12V 1.7-2.0 kW R78-M15 12V
7 7130 1	Bosch	9 003 334 314,343,355 6 033 AD1 155*,327* 1 004 112 906*,907* 9 003 334 103*,147*,163*, 165*,167*,171*, 175* * with field coil	0 001 218 002-031,100-115 118,120-131,133-147 150-168,171-178 703,711,712,715,725, 738,758,763,768,772 774,777,805,809,812, 814-818,820,821 9 000 331 401,402,405-409, 411-415,417-428, 430-433 6 033 AB1 J00 EV(R) 12V 2.2/2.3 kW
7 7131 1	Bosch	1 004 336 239,309,320,332, 397,415,421,432, 433,715,728,744, 801,809,813,827, 842,938,957,964, 970,975	0 001 106 011,014,015 107 010,012,014-019, 025-030,033,038,041, 044,049,054,055, 059-063,066-069,075, 076,079,082,083,085, 088,089,091-095,097 121 001,002 DB/DW(R) 12V 1.1 kW
7 7132 1	Bosch	1 004 336 361,460,463,465, 802,835,845,848, 908,949,994 field coil connector 114 mm	0 001 109 034,035 110 003,026,095,114 115 001 DW(R) 12V 1.7 kW

IKA-No.	Original	References	Unit-Nos.
7 7133 1	Bosch	9 003 334 341 9 003 334 155,156 Kit 9 003 334 158 * * with field coil	0 001 218 116,117,119,132,148, 149,170 EV (L) 12V 2.2/2.3 kW
7 7134 1	Bosch	1 004 336 502,505,525,526, 534,542,593,600, 608,632,702,703, 711,718,866 replaced by: 7 7234 1	
7 7135 1	Bosch	1 004 336 507,508,537,550, 551,605,617,620, 621,713,751,752, 800,884,885	0 001 110 086,087,118,119, 124 001-008,013,014, 022-027 125 003,004,011,035,036, 039,040,048,049, 605,606 DB(L)12V 1.8/2.0 kW RF78-L30,35 12V(L) RF78-M45 12V(L)
7 7136 1	Bosch	2 004 336 078 with 4 brushes BS 177 and 4 springs	0 001 371 004,006,008,010,013, 0 001 208 016,018-020 JE(R) 24V 6.7 kW
7 7137 1	Bosch	2 004 336 085,087 with 2 negative brushes BS 170 and 4 springs	0 001 372 001,004 IE/JE(R) 24V 6.2 kW
7 7138 1	Bosch	2 004 336 066,086 with 2 negative brushes BS 170 and 4 springs	0 001 364 300,301,400,402 0 001 372 002,003,005-008 ID(R) 24V 4.8 kW IF(R) 24V 5.2 kW IE(R) 24V 6.2 kW

	IKA-No.	Original	References	Unit-Nos.
	7 7139 1	Bosch	2 004 336 077 with 4 brushes BS 177 and 4 springs brush-holder 7 7136 1 insulated	0 001 371 005,007,009,012 014,017 IE(R) 24V 6.7 kW Scania, MTU
	7 7199 1	Bosch	6 033 AD0 130,156 380,383,471 6 033 AD4 026,054,161,180 9 003 334 363 Stator Frame: 6 033 AD0 128,151, 152,189,473, AD4 064,093,094,098, 099,107-110 brush set alternative product:	0 001 231 001-004,008,010,011, 014,016-019,032 EV(R) 24V 4.0 kW HE95-M 24V (R) BSX 190-191 new model 7 7241 1
	7 7200 1	Bosch	2 004 336 064 with 2 negative brushes BS 188 and 4 springs	0 001 368 083 IF(R) 24V 4.0 kW
	7 7201 1	Bosch	2 004 336 079 with 4 brushes BS 197 and 4 springs	0 001 370 003,004 IE(R) 12V 5.0 kW
	7 7202 1	Bosch	1 004 336 506,637,879	0 001 106 403,404,407,409,410 120 400-411 DB(L) 12V 0.9 kW RF70-S25 12V(L) R70-S10 12V(L)

	IKA-No.	Original	References	Unit-Nos.
	7 7203 1	Bosch	1 004 336 272,503,549,619, 629,750,878	0 001 125 007,008,031,032, 042,043,046,047, 051,052,617,618 DB(L) 12V 1.8/2.0 kW RF78-M-45 12V(L)
	7 7204 1	Bosch	1 004 336 516,555,622 756,893	0 001 125 511-514,517,518 DB(R) 12V 2.0 kW RF78-S 12V(R)
	7 7205 1	Bosch	1 004 336 509,527,531, 704,708,886	0 001 108 401,402,420,421 450,451 F 002 G20 670 F 004 A94 004 DW(R) 12V 1.4 kW R70-L25,35 12V(R) RF70-L25 12V(R)
	7 7206 1	Bosch VW	1 004 336 519,655,896 02M 911 209 C	0 001 121 402,403,408-413 429,430,435,436 02M 911 023 G,-GX,-S,-SX 02M 911 024 D,-DX 02Z 911 023 E,-EX 0AH 911 023 RF70-M25 12V(L)
	7 7208 1	Bosch	6 033 AD0 014,159,160,221 368,401,404,407 AD1 155,244,246,250, 252,294,311,349, 350 Stator Frame: 6 033 AD0 007,162,223, 225,311 AD1 108-110,245, 248,249,251,254 301,313,327,351 381 AD2 002 brush set	0001 218 602,620, 703,710-712,715,716, 719,722,725,728,730, 735-738,740-742,754, 757-759,763-768, 770-772,774,776,777 805,808,809,812,814 815-822 0 001 223 001-014,016,018,019, 021,022,056,104 EV(L/R) 12V 2.3 kW BSX 192-193

	IKA-No.	Original	References	Unit-Nos.
	7 7209 1	Bosch	6 033 AD0 161,409,411 AD1 255,259 brush set	0 001 223 501-507 EV(R) 12V 2.6 kW BSX 192-193
	7 7210 1	Bosch	6 033 AD0 166,370,374 AD3 022,042,058,328 9 003 334 368 Stator Frame: 6 033 AD0 167,170,244 AD3 043,132-134, 149-151,191-193 Brush Set BSX 194-195 alternative product:	0 001 230 001,008,010,012,014,018, 020-024,026 EV(R) 12V 3.0 kW HE95-M 12V (R) BSX 194-195 new model 7 7243 1
	7 7220 1	Bosch	1 004 336 561,765	0 001 107 103-106 121 030-035 RF74-M40,45 12V (R) R74-M40,60 12V (R) overload protection starter VW 001 911 023, -B,-C,-CX 036 944 023 S 085 911 023 H
	7 7221 1	Bosch	1 004 336 504,562,766	0 001 121 024-029 DB/DW (L) 1.1/1.2 kw RF74-M50 12V (L)
	7 7222 1	Bosch	1 004 336 528,533,579,788	0 001 108 210,225 F 002 G20 326,348,546,582,593 DW(R) 12V 1.8 kW R74-L20,40,45,60 12V(R)

	IKA-No.	Original	References	Unit-Nos.
	7 7223 1	Bosch	1 004 336 512,552,567, 753,771,889	0 001 108 200,201,206,207, 228,229,237,238 DW(R) 12V 1.4 kW R74-L75 12V (R)
	7 7224 1	Bosch	1 004 336 521,568,773,898	0 001 108 203 DW(L) 12V 1.4 kW R74-L10 12V (L)
	7 7225 1	Bosch replaced	1 004 336 513,522,584,591, 678,792,798,876, 899 by 7 7504 1	0 001 115 008,021,025,040, 041,045-048 DW(R) 12V 1.7 kW R74-E25,35 12V (R)
	7 7226 1	Bosch	1 004 336 515,554,661, 755,892	0 001 115 022,023 DW(R) 12V 1.7 kW Overload Protection Starters VW 012 911 023 C, -CX
	7 7227 1	Bosch VW	1 004 336 523,558,653,700, 759 02M 911 209 A	0 001 123 016,017,036,037, 044,045 DW(L) 12V 1.7 kW RF74-E25,-E45 12V (L) Overload Protection Starters VW 02E 911 023 H, -HX,L,-LX 02E 911 024 A
	7 7228 1	Bosch	1 004 336 518,532,538,548, 575,654,709,714, 725,726,872,894 replaced by: 7 7288 1 with longer brushes for longer life time	

	IKA-No.	Original	References	Unit-Nos.
	7 7229 1	Bosch	1 004 336 524,559,574,596, 616,624,701,760, 784,869 1 004 337 004	0 001 109 264,275,276, 300,301,365,366 110 130,131 DW(R) 12V 1.8 kW
		FIAT	773 638 17 773 641 02	R78-M28,35,45,55 12V (R) IVECO 69503857 Daily 35 S 17, -55 S 17 >06/2009
	7 7230 1	Bosch	1 004 336 582,586,688,790, 794	0 001 109 262,263,265,266, 271-274 F 000 AL0 111 F 004 A94 008,011 DW(R) 2.0 kW R78-M45,55 12V (R) Toyota Hilux, Fortuner
	7 7231 1	Bosch	9 003 334 344,350 9 003 334 169 Kit 9 003 334 151*,157* *with field coil	0 001 219 001-012,014,015 9 000 332 401,402,405,406 EV(R/L) 24V 2.5kW
	7 7233 1	Bosch	1 004 336 592,799	0 001 106 405,406 R70-S10 12V (R)
	7 7234 1	Bosch	1 004 336 502,505,510,525 526,534,547,600 608,632,636,702 703,711,718,723 866 Replacement for: 7 7134 1	0 001 107 401-411,415,417,418 421,422,423-432 435-437,442,443,446, 447,450-453,456,474 478,479,508,509 0 001 121 422,423,427,428,443,444 F 002 G20 485,594,669 DW(R) 1.1 kw R70-M10,-15,-20,-35 12V(R) VW 06C 911 023,-X 06D 911 021B,-BX,-D 06D 911 023B 06E 911 021B,-BX 06H 911 021A,-AX

	IKA-No.	Original	References	Unit-Nos.
	7 7235 1	Bosch	1 004 336 571,627,781	0 001 110 136-139 R78-L35 12V (R)
	7 7236 1	Bosch	1 004 336 595	0 001 108 408,430,431 R70-L25 12V (R) Ford 4M5T-11000-CA,-CB 1344589, 1570611
	7 7237 1	Bosch	1 004 336 569,570,625,626 774,780	0 001 109 064,065 125 053,054 RF78-M28 12V (R) R78-M28 12V (R)
	7 7238 1	Bosch	1 004 336 573,597,628,783	0 001 109 066,067 R78-M35 12V (R)
	7 7239 1	Bosch	1 004 336 576,656,785	0 001 122 400-403 RF70-L25 12V (L) VW 02Z 911 023 J,-JX
	7 7241 1	Bosch	6 033 AD4 016,194 AD5 128,179,316,320 Stator Frame: 6 033 AD4 108,199 AD5 154 brush set	0 001 231 005-007,009,012,013, 023,026-030,034-036, 038,040,041,045,119 241 001,003,005-009,012, 014,015016,019,020, 021,023,024,119 HE95-M 24V(R) HEF95-L 24V(R) 5.5 kW BSX 216-217

	IKA-No.	Original	References	Unit-Nos.
	7 7242 1	Bosch	6 033 AD4 212,128 Stator Frame: 6 033 AD4 166,177 brush set	0 001 231 033,039,046,146 HE95-M 24V(R) 4.0 kW DB Atego IVECO Eurocargo BSX 216-217
	7 7243 1	Bosch	6 033 AD3 262,267,290-292 brush set	0 001 230 002-007,009,030 HE95-M 12V(R) EV(R) 12V 3.0 kW John Deere,Renault,KHD,SAME BSX 224-225
	7 7244 1	Bosch	2 004 336 090 brush set	0 001 260 001-003,025,026 HX95-L 12V(R) 4.0 kW John Deere RE 52 637 5 VW 05A 911 023,-B,-C Audi Q7 6.0 TDI BSX 222-223
	7 7245 1	Bosch	2 004 336 091 6 033 AD6 098 brush set	0 001 330 008 HEF109-M 24V(R) GVB(R) 24V 6.0 kW Scania 1447912 BSX 202-203
	7 7246 1	Bosch Volvo	2 004 336 092 6 033 AD0 384 6 033 AD6 004 Kit 874354 brush set	0 001 330 004,007,011-014,017 502 HEF109-M 24V(R) HEF109-MP 24V(R) GVB(R) 24V 6.0 kW DB 006 151 00 01 Volvo 3595446,3827444 874385,874468 BSX 202-203
	7 7247 1	Bosch	1 004 336 453,867	0 001 115 011,013 DW(L) 1.7 kW R74-E10 12V(L)

IKA-No.	Original	References	Unit-Nos.
7 7248 1	Bosch	1 004 336 424,471,763,803	0 001 115 002,007 DW(R) 1.7 kW R74-E10 12V(R)

7 7249 1	Bosch	1 004 336 452,852	0 001 123 001 DB(R) 1.7 kW RF74-E10 12V(R)

7 7250 1	Bosch	1 004 336 396,414,470 722,743,824	0 001 115 005,006,009,012 016,017,024 DW(R) 1.7 kW R74-E10 12V(R)

7 7251 1	Bosch	1 004 336 367,413,425,450, 742,764,807,826, 849,875,962 1 007 010 091	0 001 109 021,022,056, 200,201,252,253,256 110 005,011,016,017,025, 041,043,054,065,068, 079,082,088,091,092 104,105,110,111,125 124 015 125 602 F 000 AL0 105,107 F 010 AL0 101 DW(R) 1.6 - 2.2 kW R78-M10,M15,M20, M25 12V(R)

7 7252 1	Bosch	1 004 336 301,997	0 001 109 042,046, 110 115 DW(R) 1.7/ 2.0 kW

	IKA-No.	Original	References	Unit-Nos.
	7 7253 1	Bosch	1 004 336 437,456,468, 946,976 1 007 010 092	0 001 110 053,089,113 DW(R) 1.7/ 1.8 kW R78-L15 12V(R)
	7 7254 1	Bosch	1 004 336 407,736,819	0 001 125 501-504,507,508 DB(R) 2.0 kW
	7 7255 1	Bosch	1 004 336 429,440,446,466, 777,808,847,906, 926,933	0 001 109 012,023,029,044,047 110 014,015,018,033,047 057-059,081 DW(L) 1.6 - 2.0 kW R78-M10,M25 12V(L)
	7 7256 1	Bosch	1 004 336 403,457,733,902, 903,907,918,934, 941,950, 954,974	0 001 108 001,002,009-013, 016-018,023,026, 028-033,035,037-040, 042-047,054,057,061, 062,065,066,068,069, 071-073,078,082-084, 087,091,092,103,105, 106,108-110,113,114, 166,117,129,132,152, 997-999 111 002 DW(R) 1.4 - 1.6 kW R74-L20,L25,L35 12V(R)
	7 7257 1	Bosch	1 004 336 337,343,823,832 971,973	0 001 108 143,148,170,172,181, 199 DW(R) 1.4 kW R74-L20,L25,L35 12V(R)

	IKA-No.	Original	References	Unit-Nos.
	7 7258 1	Bosch	1 004 336 374,375,464,859, 935,936,944	0 001 108 074,085,086,123,182 DW(R) 1.4 kW R74-L20,L25 12V(R)
	7 7259 1	Bosch	1 004 336 219,427,469,775, 870,937	0 001 106 020 107 011,039 DW(L) 0.9 - 1.0 kW R74-M27,S10 12V(L)
	7 7260 1	Bosch	1 004 336 314,321,382,391, 716,810,831,985	0 001 106 018,019 107 009,034,037,045,048, 056,064,072,096, 100,101 DW(R) 1.1 kW R74-M20,M25,S10 12V(R)
	7 7281 1	Bosch	1 004 336 420,451,462,749, 814,828,841	0 001 107 043,073,074,087 121 003 DB/DW(R) 1.1 kW R74-M10 12V(R) RF74-M30 12V(R)
	7 7282 1	Bosch	1 004 336 368,416,670, 745,830,853	0 001 106 012,017,022-024 107 070,071 DW(R) 0.9 - 1.1 kW R74-M25,S10,S20 12V(R)
	7 7283 1	Bosch	1 004 336 338,392,444,717, 833,989	0 001 107 047,077,098 DW(R) 1.1 kW R74-M20 12V(R)

	IKA-No.	Original	References	Unit-Nos.
	7 7284 1	Bosch	1 004 336 279,422,729,868	0 001 110 132 F 000 AL0 108 DW(R) 1.8 kW R78-L25 12V(R)
	7 7285 1	Bosch	1 004 336 564,633,768	0 001 108 403,404,409,410 DW(R) 1.4 kW R70-L25,-L35 12V(R)
	7 7286 1	Bosch	1 004 336 588,796	0 001 115 035 R74-E25,-35 12V(R)
	7 7287 1	Bosch	1 004 336 606,641	0 001 115 053,054 R74-E35 12V(R)
	7 7288 1	Bosch	1 004 336 518,532,538,548,575, 594,599,601,618,654, 709,714,725,726,872,894	0 001 109 057,058,202,203,205,250, 258,261,302-304 0 001 110 071,072
		FIAT	773 642 66	0 001 125 055,056,519-522,607-610 F 002 G20 292,359,385,430,618,622,795 F 004 A94 002
			replacement for: 7 7228 1	DB/DW(R) 12V 1.7-2.2 kw R78-M10,M28,-M45,-M55 12V (R) RF78-M10,28,45 12V(R) RF78-S28 12V (R) Start/Stop Starters

	IKA-No.	Original	References	Unit-Nos.
	7 7290 1	Bosch	1 004 336 520,557,650, 758,897	0 001 115 042 123 012-015,018-021, 026-029,038,039 DB(L) 1.7 kW R74-E20 12V(L) RF74-E25,-E45 12V(L) Overload Protection Starters VW 02M 911 024, -X 02Z 911 023 L, -LX
		VW	02M 911 209	
	7 7291 1	Bosch	1 004 336 609,645	0 001 138 011,012,029,030,037-040 DW(R) 1.7 kW S74-L 12V(R) Start/Stop Starters BMW 12 41 7 823 314,315 FIAT 51810307,55226844 Opel 55570445 Suzuki 31100-86L00 Alfa MITO 1.3 JTD >10/2008 FIAT Cinquecento 1.3 MJTD >01/2010 Punto Evo 1.3 JTD >10/2009
		FIAT	77365287	
			field coil	
			connector 40 mm	
	7 7292 1	Bosch	1 004 336 614,648	0 001 138 003-006,047,048 0 001 138 053,054 DW(R) 1.7 kW S74-L 12V(R) BMW Mini Start/Stop Starters BMW 12 41 7 552 697 12 41 7 567 788 12 41 7 589 354,355 12 41 7 616 689,698 12 41 7 617 216 12 41 7 631 025 12 41 7 802 945 12 41 7 803 514 12 41 7 812 070 Steyr 7616698 Mini Cooper,-Cabrio,-Clubman Cooper S,-Cabrio,-Clubman Cooper D,-Clubman >03/2007 One,-Clubman One D >09/2009
			1 004 337 154	
			field coil	
			connector 60 mm	
	7 7293 1	Bosch	1 004 336 511,536,712,727, 888	0 001 108 157,190,196,202,204, 208-209,211,212,217, 218,224,230,231,234, 235,239,240 DW(R) 12V 1.4/1.8 kW R74-L40,45,55

	IKA-No.	Original	References	Unit-Nos.
	7 7294 1	Bosch	1 004 336 408, 737, 990	0 001 125 001,002,012,013, 016,017,021,022 DB(L) 2.0 kW
	7 7295 1	Bosch	1 004 336 409, 738, 860	0 001 110 126-129 124 020,021 R78-L25 12V(R) RF78-L25 12V(R)
NEW	**7 7296 1**	Bosch Renault	1 004 336 363,850 77 01 044 938	0 001 108 180,186 DW(R) 1.4 kW 82 00 466 763 82 00 724 823
NEW	**7 7297 1**	Bosch Fiat	1 004 336 383,393,445,454, 719,829,836,871 9947826,9951205	0 001 109 018,025,030,043, 045,048 DW(R) 1.6 - 2.1 kW 46430784,46473784 60814911 BMW 12 41 2 246 570
NEW	**7 7298 1**	Bosch	1 004 336 412,430,431,438, 447,448,472,741, 778,779,804,840, 881,883,996	0 001 109 009,014,017,026, 028,031,033,036, 040,049 110 100,101,112 125 602 DW(R) 1.6 - 2.2 kW
	7 7314 1	Bosch Kit	1 001 329 900 1 004 336 025,028,029,034, 055 with additional positive brushes 2 x BS 75	0 001 208 200-202,204,216-218, 224,229,233,403,404, 411,412,416,419, 425-429 211 200-208,210,215, 218-225,233-236,239, 242-249,251,253,254, 257,258,992,993,997 212 199,202-214,400-403 EB(L) 12V 08./0.95 kW EB(R) 12V 0.7/00.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW

IKA-No.	Original	References	Unit-Nos.
7 7315 1	Bosch Kit	2 004 336 027,041,099 with additional positive brushes 2 x BS 139	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
7 7316 1	Bosch Kit	2 004 336 027,041,099 with additional positive brushes 2 x BS 143	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
7 7317 1	Bosch Kit with additional positive brushes 2 x BS 104	1 004 336 009,033,036, 1 004 336 040,046,057 1 007 010 027	0 001 208 006, 007 214 002 215 001 311 024,030,031,047,050-52 054-056,100,103,107 108,110,111,113,115 120,123,124,126,130 138,139,146,147,149 312 101-111 313 006 314 005,006,009-015,017, 314 018,024-029,032,034, 314 036-038,042,043,045-47,049 315 005 EF(L/R) 12V 0.8 kW GB(L/R) 12V 1.5 kW GF(L) 12V 1.0-1.5 kW GF(R) 12V 1.0-1.6 kW
7 7318 1	Bosch Kit with additional positive brushes 2 x BS 49	1 004 336 027	0 001 207 003,005,009,015,018 EF(L/R) 6V 0.5 kW

	IKA-No.	Original	References	Unit-Nos.
	7 7319 1	Bosch Kit	2 004 336 028,044,067 with additional positive brushes 2 x BS 164	0 001 367 001-018,020-025,027-032 034-039,041-048,050-052 054-059,061-068,070-072 074-079,081-082,300-303 0 001 369 001-006,012-018,020-024 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW
	7 7320 1	Bosch Kit with additional positive brushes 2 x BS 145	2 004 336 031,046	0 001 368 001,002,004-007,009, 010,012-014,016,018-022 024,027-031,034-041 047,049,050,052,055-060 062,063,068-073,076,077 077,079,081,082,085,086 088,300,301,303,305-307 309-313,315-317,319-321 9 000 143 600-604 IF/JF(R) 24V 4.0 kW
	7 7337 1	Bosch Kit	2 004 336 085,087 with additional positive brushes 2 x BS 171	0 001 372 001,004 IE/JE(R) 24V 6.2 kW
	7 7338 1	Bosch Kit	2 004 336 066,086 with additional positive brushes 2 x BS 171	0 001 364 300,301,400,402 0 001 372 002,003,005-008 ID(R) 24V 4.8 kW IF(R) 24V 5.2 kW IE(R) 24V 6.2 kW
	7 7400 1	Bosch	2 004 336 064 with additional positive brushes 2 x BS 199	0 001 368 083 IF(R) 24V 4.0 kW

	IKA-No.	Original	References	Unit-Nos.
	7 7501 1	Bosch	2 004 336 093,110 with thermo protection Brush Set BSX 202-203	0 001 330 016,501 340 501-503 HEF109-M 24V(R) 6.0 kw HEF109-MP 24V(R) HEP 109-MP 24V (R) 8.4 kW MTU X52 417 200 001 JW 460 867,482541 Liebherr 101 205 41
	7 7503 1	Bosch	2 004 336 094,097 Brush Set BSX 239-240	0 001 262 019-022,029,030 HX95-L,-M 12V overload protection starters
	7 7504 1	Bosch	1 004 336 553,663,677,754, 890	0 001 123 002,003,024,025 DB(R) 12V 1.7 kW RF74-E25 12V (R) Overload Protection Starters VW 012 911 023 E,-F,G,-GX,-H,-HX Porsche 955 604 107 00,-010,-011
	7 7505 1	Bosch	1 004 336 640,664	0 001 115 056,057,082-085 R74-E35 12V (R) Overload Protection Starters VW 03L 911 021,-C,-CX,-F,-X
	7 7506 1	Bosch	1 004 336 669 DB 001 151 63 14	0 001 115 074-077 R74-E25,35 12V (R) Overload Protection Starters Mercedes 006 161 74 01 006 161 75 01 636 151 02 01
	7 7507 1	Bosch	2 004 336 095 2 004 336 100 Brush Set BSX 241-242	0 001 261 007,008,012,013 0 001 263 001,002,009-014,047,048 HX95--M 24V (R) HXF95-L 24V (R) overload protection starters DAF 1826121,1843852 DAF CF 85.360/410/460/510 XF 95.460/530/560 XF105.410/460/510/560 Leyland AELF405

	IKA-No.	Original	References	Unit-Nos.
	7 7508 1	Bosch	1 004 336 583,634,791	0 001 107 433,434,440,441, 448,449 F 004 A94 434,441,449 R70-M25 12V (R) Toyota Auris,Corolla,Yaris
	7 7509 1	Bosch	1 004 336 530,631,707	0 001 108 400,411,412 R70-L25 12V (R)
	7 7510 1	Bosch	1 004 336 615,657 1 004 337 022	0 001 108 415,416,445,446 R70-L25 12V (R)
	7 7511 1	Bosch	1 004 336 529,587,589 795,797,978	0 001 107 108-113 R74-M40,60 12V(R)
	7 7514 1	Bosch	1 004 336 572,782	0 001 108 220,221 DW(R) 12V 1.4 kW R74-L45 12V (R)
	7 7515 1	Bosch	1 004 336 566,638,770	0 001 108 213,214,222,223 R74-L45 12V (R)

	IKA-No.	Original	References	Unit-Nos.
	7 7516 1	Bosch	1 004 336 598,604	0 001 115 049-052,070-073, 088,089,092,093, 096-099 R74-E35 12V (R) DB,Ford
	7 7517 1	Bosch	1 004 336 535,560,662, 724,761	0 001 115 031,032 R74-E25 12V (R) Overload Protection Starters VW 07C 911 023 E, -EX Phaeton
	7 7518 1	Bosch	1 004 336 395,585,793	0 001 115 039 R74-E25 12V (R)
	7 7519 1	Bosch	1 004 336 577,786	0 001 107 107 R74-M20 12V (L)
	7 7520 1	Bosch	1 004 336 517,556,581,603, 611,623,757,895	0 001 109 267-270,306,307 125 025,057-060, 125 600,601 DB(R) 12V 1.9/2.2 kW R78-M45 12V (R)
	7 7521 1	Bosch replaced	1 004 336 578,787 by 7 7229 1	0 001 109 204,340,341 R78-M28 12V (R)

	IKA-No.	Original	References	Unit-Nos.
	7 7523 1	Bosch	1 004 336 580,607,789	0 001 107 438,439 459-462 R70-M10,-M35,-M45 12V(R)
		DB	001 151 64 14	006 151 59 01 CL500, GLK280 60 01 SL 280, -350
		Toyota	28140-0Q020	28100-0Q021 Aygo 1.0
NEW	**7 7529 1**	Bosch	1 004 336 612,649 1 004 337 145 DB 001 151 67 14	0 001 139 001,002,005,006,011-016 0 001 139 025,026,047,048 S78-M 12V(R) 2.2 kw S78-M55 12V(R) Start/Stop Starters BMW 12 41 7 798 006 12 41 7 812 034,070 12 41 7 823 700,701 Chrysler 04801871AB DB 646 906 00 00 Ferrari 243595, 248743 FIAT 51810267 Porsche 948 604 210 00 Alfa Giulietta 2.0 JTDM >05/2010 BMW 116d >03/2009 118d,-Cabrio >03/2007 120d,-Cabrio,-Coupe >05/2007 123d,-Cabrio,-Coupe >09/2007 318d,-Touring >09/2007 320d,-Cabrio,-Coupe,-Touring >09/2007 330d,-Cabrio,-Coupe,-Touring >09/2008 520d,-Touring >09/2007 730d,-Ld >11/2008 X1 sDrive 185,-20d >10/2009 X1 xDrive 18d,-20d,-23d >10/2009 Chrysler Wrangler 2.8 CRD >01/2007 FIAT Doblo,-Cargo 2.0 JTD >10/2009 Mercedes CDI Sprinter 2.1 l 209,211,213,215,309,311,313, 315,411,415,509,511,515
NEW	**7 7530 1**	Bosch	1 004 336 672	0 001 115 068,069 R74-E35 12V(R) BMW 12 41 7 801 203 12 41 7 811 601 12 41 8 511 746 BMW 116 d,118,120,123d,-Cabrio,-Coupe 316,318 d,-Touring 320 d,-Cabrio,-Coupe,-xDrive,-Touring,-xDrive 320 d ed,-xDrive 325 d,-Cabrio,-Coupe,-Touring 330 d,-Cabrio,Coupe,-xDrive,-Touring,-xDrive 520 d,-Touring, 525 d, 530 d,-GT,-xDrive 535 d,-GT,-xDrive, 730 Ld,-d, 740 d,-xDrive X1 sDrive 18 d,-20 d, xDrive 18 d,-20 d,-23 d X3 2.0 d,-xDrive 18 d,-20 d X5 xDrive 30 d,-40 d X6 xDrive 30 d,-40 d new models >2007/2008

	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7531 1**	Bosch	F 000 AL1 934	F 000 AL0 110 F 004 A94 007 R74-L75 12V (R) Toyota 28100-0C060 Toyota Hilux 2.5 16V DTurbo
NEW	**7 7532 1**	Bosch	1 004 336 394,461,720,999	0 001 109 015,052,055,061-063 DW(R) 12V 2.0 kw R78-M15,-M25
NEW	**7 7533 1**	Bosch	2 004 336 096	0 001 262 004 HX95 12V(R) overload protection starters
NEW	**7 7534 1**	Bosch	1 004 336 699	0 001 139 017-020 S78-M 12V(R) VW Start/Stop Overload Protection Starters VW 059 911 021 F,-FX 03L 911 021 E,-EX Audi A4 2.0 TDI,-Avant,-Avant Allroad,-quattro A5 2.0 TDI Cabriolet,-Coupe,-quattro,-Sportback A6 2.0 TDI,-Avant Q5 2.0 TDI,-quattro
NEW	**7 7536 1**	Bosch FIAT	1 004 336 674,695 1 004 337 153 773 651 21	0 001 136 002,003 0 001 137 001-006,011,012 0 001 138 001,002,009,010,017-020, 0 001 138 043-046,051,052 S74-L/M/S 12V(R) Start/Stop Overload Protection Starters BMW 12 41 7 550 975 12 41 7 567 788 589 350,352,354-356 610 342,349 FIAT 518 047 44, 518 103 08, 518 293 80, 518 739 26 Hyundai 36100-28301 KIA 36100-2B300 Opel 55572440 VW 06E 911 021 D,-DX

	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7537 1**	Bosch	1 004 337 006	0 001 153 007-010 SF74-E+ 12V(L) VW 02M 911 024 C,-CX 02Z 911 024 H,-HX 07M 911 024 A VW-Family Start/Stop Starters
NEW	**7 7538 1**	Bosch	1 004 336 681	0 001 145 001,002 SF78-M 12V (L) VW 02Z 911 023 S,-SX Audi Start/Stop Overload Protection Starters
NEW	**7 7539 1**	Bosch	1 004 337 013,029,042	0 001 148 003,004,009,010, 0 001 148 015,016,023,024 S74-E+ 12V(R) Start/Stop Starters BMW 12 41 7 843 526,530 12 41 8 506 657 12 41 8 509 198 12 41 8 515 795 Opel 55572065
NEW	**7 7540 1**	Bosch	1 004 337 012	0 001 142 001,002 SF74-L 12V(L) VW Start/Stop Starters VW 02T 911 024 J,-JX
NEW	**7 7541 1**	Bosch	1 004 337 019	0 001 139 041,042 S78-M 12V(R) 2.2 kw VW Start/Stop Overload Protection Starters VW 059 911 021 G,-GX
NEW	**7 7542 1**	Bosch DB VW	1 004 336 565,602,769 1 004 337 022,140,150 001 151 41 14 06E 911 209	0 001 108 405,406,445,446 R70-L25 12V(R) VW 06E 911 023 B,-BX,-C,-CX, E,-EX,-F 079 911 021 D,-DX

	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7543 1**	Bosch	1 004 336 698	0 001 138 013,014 S74-L 12V(R) VW 06H 911 021, -X
NEW	**7 7544 1**	Bosch	1 004 337 002	0 001 139 029,030 S78-M 12V (R) DB 651 906 00 00
NEW	**7 7545 1**	Bosch	1 004 337 005	0 001 139 021,022,037,038 S78-M 12V (R) Porsche 986 604 210 01 986 604 214 00
NEW	**7 7546 1**	Bosch	1 004 337 034,047 1 004 337 050,144	0 001 139 045,046,049,050,053,054 S78-M 12V(R) VW 059 911 021 H,-HX,-J,-JX 07L 911 021,-X VW overload protection Start/Stop Starters
NEW	**7 7547 1**	Bosch	1 004 338 102	0 001 177 000-005 CF70-M 12V(L) VW 02M 911 024R 02Z 911 024F 0AH 911 023H Skoda Citigo 1.0
NEW	**7 7548 1**	Bosch	1 004 337 155	0 001 148 019,020,025,026 S74-E+ 12V(R) BMW 12 41 8 515 795,796 12 41 8 515 900 Start/Stop Starters

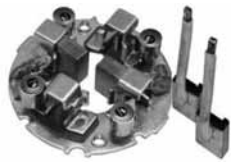
IKA-No.	Original	References	Unit-Nos.
7 7170 1	Denso	028510-0560 with 2 negative brushes	028000-5330-35, -6380-82, -9490 Daihatsu
7 7171 1	Denso	028510-0640 028510-0840 028510-5500 with 2 negative brushes	028000-7000,-7001,-7002 028000-7003,-7370,-7372 028000-7373,-7740, 7790, 028000-8130, 9830 128000-0570,-0960,-1040
7 7172 1	Denso	028510-0500 028510-5390 with 2 negative brushes	028000-4800,-5000,-5300 028000-5301,-5510,-5511 028000-5860,-6290,-6870 028000-7240,-8070 128000-1790,3080
7 7179 1	Denso	028510-0880 Kit with 4 brushes	128000-0490,-2450,2470, 128000-2560,-2740,-3361 128000-4250,-4682-4685 228000-331,332,573 228000-585,700 12/24V 3.0/5.5KW
7 7181 1	Denso	028510-5190 with 2 negative brushes	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
7 7214 1	Denso	028510-0750,-5320 with 2 negative brushes	028000-6260,-7700,-8980,9320 028000-9321,-9380,-9860 128000-0050 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame

	IKA-No.	Original	References	Unit-Nos.
	7 7370 1	Denso	028510-0560	028000-5330-35, -6380-82, -9490 Daihatsu
		Kit	with additional positive brushes 2 x JAS 85	
	7 7371 1	Denso	028510-0640 028510-0840 028510-5500	028000-7000,-7001,-7002 028000-7003,-7370,-7372 028000-7373,-7740, 7790, 028000-8130, 9830
		Kit	with additional positive brushes 2 x JAS 77	128000-0570,-0960,-1040
	7 7372 1	Denso	028510-0500 028510-5390	028000-4800,-5000,-5300 028000-5301,-5510,-5511 028000-5860,-6290,-6870
		Kit	with additional positive brushes 2 x JAS 88	028000-7240,-8070 128000-1790,3080
	7 7377 1	Denso Italy	028510-6410,-6421, -6440,-6490	P76 - 12 Volt 2.0 kW BMW series 3,5,7
			complete w. 4 brushes	Citroen C5 Peugeot 307,407 Toyota Avensins,Corolla,Verso
	7 7381 1	Denso	028510-5190	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
		Kit	with additional positive brushes 2 x JAS 52	
	7 7414 1	Denso	028510-0750,-5320	028000-6260,-7700,-8980,9320 028000-9321,-9380,-9860
		Kit	with additional positive brushes 2 x JAS 84	128000-0050 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame

	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7606 1**	Denso		28100-28052 428000-3090 1.3 kw Toyota Camry Prius

	IKA-No.	Original	References	Unit-Nos.
	7 7211 1	Ford-Visteon	E90Z-11061-A,B,C with 4 brushes	E90F-11000-AA,-BA E9SF-11000-AA,-BA F02F-11000-AA F07U-11000-AA,-BA F0CF-11000-AA,-BA F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA PMGR-Starter Ford USA
	7 7212 1	Ford-Visteon	F3RZ-11061-A with 4 brushes	93BB-11000-HB,-JB,-JC, 93BB-11000-KA,-KB,-KC PMGR-Starter Ford Europe
	7 7213 1	Ford-Visteon	1C3U-11424-AA 1C3U-11434-AA with 2 negative brushes two component grade O.E. version	1C2U-11000-AA 1C2Z-11002-AA 1C3U-11000-AA,-AB,-AC,-AD,-AE 1C3Z-11002-AA 2C2U-11000-AA 2C3T-1000-AA 2C3Z-11002-AA PMGR-Starter 12V 3,6kW
NEW 	**7 7215 1**	Ford-Visteon		1S7U-11000-AB, -AC, 2S6U11000-EB, 96BB1000-AA, -AB, -AC 98AB11000-BB, -BC, -CC, -CD, YS4U11000-AA, -BA
	7 7261 1	Ford-Visteon	F7RU-11434-BA	97BB-11000-BB,BC 97VB-11000-AA,AB 98AB-11000-AC 98VB-11000-BA,B1A,B3A 12V 1.9 kW

IKA-No.	Original	References	Unit-Nos.
7 7313 1	Ford-Visteon	1C3U-11424-AA 1C3U-11434-AA	1C24-11000-AA 1C2U-11000-AA 1C2Z-11002-AA 1C3U-11000-AA,-AB,-AC,-AD,-AE 1C3Z-11002-AA
	Kit	with additional positive brushes 2x F76 two component grade O.E. version	2C24-11000-AA 2C2U-11000-AA 2C3T-11000-AA 2C3Z-11002-AA PMGR Starter 3.6 kw 12 Volt



IKA-No.	Original	References	Unit-Nos.
7 7140 1	Hitachi	2114-23106 2114-53104,-53105 2114-63104,-73105 complete with positive brush-pair	S114-750,751,753,758,762A, 765,766A,775A,800,801 804,805,808,816,818 829A,-B,850 Opel Astra D Opel Corsa D
7 7141 1	Hitachi	2114-4311 2114-29007,-39001,-49007 2114-69008,-79001,-89007 with 2 negative brushes	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481 Nissan 23378-05E00
7 7142 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100 with 2 negative brushes	S13-62,62B,64,69,83,84,89A, S13-89B,92A,100,101,102, S13-104,105,105A,106A,-B,-C S13-107A,114,121
7 7143 1	Hitachi	2250-7310 with 2 negative brushes	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500
7 7341 1	Hitachi Kit	2114-4311 2114-29007,-39001,-49007 2114-69008,-79001,-89007 with additional positive brushes 2 x JAS 81	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481 Nissan 23378-05E00
7 7342 1	Hitachi Kit	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100 with additional positive brushes 2 x JAS 74	S13-62,62B,64,69,83,84,89A, S13-89B,92A,100,101,102, S13-104,105,105A,106A,-B,-C S13-107A,114,121

IKA-No.	Original	References	Unit-Nos.
7 7343 1	Hitachi	2250-7310	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B
	Kit	with additional positive brushes 2 x JAS 36	S25-156 Nissan 23300-C8601 Nissan 23300-J5500
7 7524 1	Hitachi	2114-23104,-39008, -83102,-93102	S114-505,-A,507A,509,516,-A 517,-C,518,519A,523 526,-A,-B527,-A,-B,530,533 535,701A,-B,-BR,705A
		complete with brushes and springs	

	IKA-No.	Original	References	Unit-Nos.
	7 7190 1	Marelli/Fiat	832 244 61 832 253 26 with 1 negative brush	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 01 Brava,Palio,Tipo
	7 7191 1	Marelli/Fiat	832 263 36 with 2 negative brushes	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
	7 7192 1	Marelli/Fiat	832 212 41 with 2 negative brushes	E80 0,8/1-12 632 228 31-33,36-38 632 230 31-34
	7 7193 1	Marelli/Fiat	542 944 44 832 204 61 with 2 negative brushes	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35
	7 7194 1	Marelli/Fiat	832 258 86 with 2 negative brushes	632 230 39 632 233 04 632 930 39 E80E
	7 7390 1	Marelli/Fiat Kit	832 244 61 832 253 26 with additional positive brushes 1 x JS 39 1 x JS 40	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 01 Brava,Palio,Tipo

	IKA-No.	Original	References	Unit-Nos.
	7 7391 1	Marelli/Fiat	832 263 36	E95RL 2,2/2,6-12 631 140 08,10,14
		Kit	with additional positive brush pair JS 54	Ducato
	7 7392 1	Marelli/Fiat	832 212 41	E80 0,8/1-12 632 228 31-33,36-38
		Kit	with additional positive brushes 2 x JS 36	632 230 31-34
	7 7393 1	Marelli/Fiat	542 944 44 832 204 61	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08
		Kit	with additional positive brushes 2 x JS 34	632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35
	7 7394 1	Marelli/Fiat	832 258 86	632 230 39 632 233 04
		Kit	with additional positive brushes 1 x JS 45 1 x JS 57	632 930 39 E80E
	7 7395 1	Marelli/Fiat	721 641 01	632 171 01,04-08,10,12,16-21,25, 632 171 26,38,47,48,54,56,58,63,
		Kit	complet with 4 brushes	632 171 73,80,82,86,88,97 632 174 01-04,07,08,10,25,33,47 MT71 / MT74 - 12 Volt
	7 7396 1	Marelli/Fiat	721 641 02	632 172 25,26
		Kit	complete with 4 brushes	MT72 - 24 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7397 1	Marelli/Fiat	721 647 01 723 627 01	632 168 02,08,11,14-18,25-27,31, 632 168 33,51,52,59,61,73,74,76, 632 168 84,96,98
		Kit	complete with 4 brushes	MT68 - 12 Volt
	7 7398 1	Marelli/Fiat	721 650 01	632 167 01-04,06-08,10,25-27,31, 632 167 33,38,40,41,47,48,63
		Kit	complete with 4 brushes	MT67 - 24 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7182 1	Melco	M649T03571 M649X02572,-03573 with 2 negative brushes	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
	7 7183 1	Melco	M649T01371 M649T02271 M649T04871 MD607555 MD607926 MD618513 with 2 negative brushes	M2T20181D,30481,30581,30981, 31081,32281,32581,32782D, 37081,41181,41182,42381, 42481,42781,42881,42981, 42985,43681,43781,43881, 44081,44781,48081,49281, 49282,49881 M3T10476D,21781D,21882D, 27686H,27781,27781D, 29482D,30081,30082,30281 30282,30285,30286,30381, 30382,30581,30781,30782, 30881,30981,32581,32582, 32583,32589,32591-32593, 32681,32782,32782D,33081 33182,33282,33581,33582, 33582A,33583,33585,33586, 33586A,33586D,33587, 33588,34782,35081,35082, 36081,37481,37781,37782, 38481,38581,38682,38881, 38881A,B,C,38882, 38882A,B,C,38883,38884, 38885,39385,39981,41081, 41083,41181,41285,41381, 41781,42781,42881,43881, 44081,70381,
		Hyundai	36170-21740	36100-11150,21760,21770
	7 7185 1	Melco	M649T02171 with 2 negative brushes	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
	7 7186 1	Melco	M649T05071 with 2 negative brushes 12 Volt	M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971 36100-42011

	IKA-No.	Original	References	Unit-Nos.
	7 7187 1	Melco	M649T01271,1272,-1273 M649T06871,-09371,-09471	M1T70381,70481,70483,70485, 70781,70881,71381,71881, 72581,72583
		Kia/Hyundai	36169-32510 36170-32500	HSP112110,112130 MG112014,MP112023 36100-32510
			complete with positive brush-pair	
	7 7188 1	Melco	M649T01671 M649T06971	M1T74081,74181,74281,74283, 74381,74481,74482,74581, 74583,74781,74781A,75181,
			complete with positive brush-pair	75281,75283,75381,75581, 75681,76081,76281
	7 7189 1	Melco	M649T04471 M649X09571 with 2 negative brushes	M2T23685,-24181,-24281,-25481 25581,-25681,-50171,-50181 50281,-50285,50371,-50381
			suitable for 3 and 4 brushes version	50391,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581, M3T21882D
		Nissan	23378-N5912	23300-00H10
	7 7274 1	Melco	M649T20471 M649X20471 ME701467	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
	7 7275 1	Melco	M321X07076 complete with positive brush pair	M0T80281B,-82881,-87881 91581 DACIA
	7 7374 1	Melco	M649T20471 M649X20471 ME701467	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
		Kit	with additional positive brushes 2 x JAS 70	

IKA-No.	Original	References	Unit-Nos.
7 7382 1	Melco	M649T03571 M649X02572,-03573	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
	Kit	with additional positive brushes 2 x JAS 70	
7 7383 1	Melco	M649T01371 M649T02271 M649T04871 MD607555 MD607926 MD618513	M2T20181D,30481,30581,30981, 31081,32281,32581,32782D, 37081,41181,41182,42381, 42481,42781,42881,42981, 42985,43681,43781,43881, 44081,44781,48081,49281, 49282,49881
	Kit	with additional positive brushes 2 x JAS 83	M3T10476D,21781D,21882D, 27686H,27781,27781D, 29482D,30081,30082,30281 30282,30285,30286,30381, 30382,30581,30781,30782, 30881,30981,32581,32582, 32583,32589,32591-32593, 32681,32782,32782D,33081 33182,33282,33581,33582, 33582A,33583,33585,33586, 33586A,33586D,33587, 33588,34782,35081,35082, 36081,37481,37781,37782, 38481,38581,38682,38881, 38881A,B,C,38882, 38882A,B,C,38883,38884, 38885,39385,39981,41081, 41083,41181,41285,41381, 41781,42781,42881,43881, 44081,70381
	Hyundai	36170-21740	36100-1150,-21760,-21770
7 7384 1	Melco	M648X28671 M649T05072	
	Mitsubishi Nissan		
	Kit	with 4 brushes 24 Volt	
7 7385 1	Melco	M649T02171	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
	Kit	with additional positive brushes 2 x JAS 71	

IKA-No.	Original	References	Unit-Nos.
7 7386 1	Melco	M648X28271 M649T05071	M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971
	Mazda Mitsubishi Nissan		
			36100-42011
	Kit	with additional positive brushes 2 x JAS 99 12 Volt	
7 7389 1	Melco	M649T04471 M649X09571	M2T23685,-24181,-24281,-25481 25581,-25681,-50171,-50181 50281,-50285,50371,-50381 50391,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581,
			M3T21882D
	Nissan	23378-N5912	23300-00H10
	Kit	with additional positive brushes 2 x JAS 70 suitable for 3 and 4 brushes version	
7 7525 1	Melco	M649T04971,-04972 M649T07371 M371X07371 ME 700047,ME 700939 ME700939	M3T56071,-56072,-56076, 56082,-56174,-56181, 56182,-56183,-56272, 56471,-66071,-66072, 66073,-66074
	Ford	E5PF-11061-A E5PF-11434-AA	67171,-67172 E8TF-11000-AA F3TU-11000-AA
7 7526 1	Melco	M321X04471,-04771, -05171,-07071 complete with springs and brushes	M0T60081,-60082,-70881 M0T80081,-80281,-A,80285,-A M0T80381,80581,-80981 M0T81081,-81281,-81284,-81681 M0T82281,-83981,-85981 M1T60285,-84181,-86281,-ZC
7 7527 1	Melco	M649X20771 ME701495 with springs and negative brushes	M2T80772,-87571,-87871 M8T80071,-A,-B,80171,-80471 -80472,-80501,-80571

	IKA-No.	Original	References	Unit-Nos.
	7 7528 1	Melco	M321X10276 complete with springs and brushes	M0T70381,-70481,-81181 M1T70483,-73383,-84883
NEW	**7 7625 1**	Melco Mitsubishi Ford Kit	M649T04971,-04972 M649T07371 M371X07371 ME 700047, ME 700939 E5PF-11061-A E5PF-11434-AA with springs and brush set	M3T66071-074 M3T67171,-172 JASX 70-71
NEW	**7 7627 1**	Melco Mitsubishi Kit	M649X20771 ME701495 with additional positive brushes 2 x JAS 70	M2T80772,-87571,-87871 M8T80071,-A,-B,80171,-80471 -80472,-80501,-80571

	IKA-No.	Original	References	Unit-Nos.
	7 7168 1	Remy	1988121,1988122 1988439 w/o. brushes brush set	10478809,10,20,24,36,39 92-94 10478918,31 42MT 12/24 Volt RX 134
	7 7169 1	Remy	10475602 complete w. 4 brushes	9000786, 798, 804-806, 812, 9000819-822, 827, 834, 835, 9000844, 850, 851, 853 PG260M 12 Volt
	7 7175 1	Remy	10468705,10468706 10469238,10470140 w/o. brushes brush sets	37MT, 41MT series DD 12/24 Volt RX 135 RX 135H
	7 7176 1	Remy	1979387,1979494 w/o. brushes brush sets	40MT 400,450 12/24 Volt RX 122 RX 122H
	7 7178 1	Remy	10456456 w/o. brushes brush sets	28MT 12/24 Volt RX 457-458 RX 419-420
	7 7180 1	Remy	1984974,1985065 with terminal post w/o. brushes brush sets	50MT 12/24 Volt RX 124 RX 124H

	IKA-No.	Original	References	Unit-Nos.
	7 7263 1	Remy	10472352 w. 4 brushes 10476006 w. 2 brushes complete with 4 brushes	PG150, PG150S, PG260F1 9000785, -833, -839, -840, -847, -859, -871-873, -884 21020761, -893 21021366
	7 7264 1	Remy	10475107 complete with 4 brushes	SD80F 10455506,9627548
	7 7368 1	Remy Kit	1988121 with brush set 1852892	42MT RX 134 12 Volt
NEW	**7 7368 2**	Remy	1988121 with brush set two component grade	42MT RX 134-2C 12 Volt
	7 7375 1	Remy Kit	10468705 with brush set 1852889	37MT, 41MT series DD RX 135 12 Volt
	7 7376 1	Remy Kit	1979387 with brush set 1852884	40MT RX 122 12 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7378 1	Remy	10456456	28MT
		Kit	with brushes 2 x 10456457 2 x 10456458	 RX 457-458 12 Volt
	7 7380 1	Remy	1984974 with terminal post	50MT
		Kit	with brush set 1852887	RX 124 12 Volt
	7 7468 1	Remy	1988439	42MT
			with brush set 1852894	RX 134H 24Volt
NEW	**7 7468 2**	Remy	1988439 with brush set two component grade	42MT RX 134H-2C 24Volt
	7 7475 1	Remy	10469238	37MT, 41MT series DD
			with brush set 1852893 1852893	RX 135H 24 Volt
	7 7476 1	Remy	1979494 with brush set 1852883	40MT RX 122H 24 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7478 1	Remy	10456456 with brushes 2 x 10457119 2 x 10457120	28MT RX 419-420 24 Volt
	7 7480 1	Remy	1985065 with brush set 1852888	50MT RX 124H 24 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7146 1	Valeo	190987,191824,193288 200393 complete with brushes	D7G... SIH anticlock VW overload protection starters PSX 163-164
	7 7147 1	Valeo	190097,190986,191141 191821,191823 complete with brushes	D7G... SH clockwise overload protection starters Audi,BMW,PSA PSX 160-164
	7 7148 1	Valeo	191060,191822 complete with brushes	D7G... SH clockwise overload protection starters PSA,Renault PSX 160/164
	7 7149 1	Valeo	192984 complete with brushes	D7G... SH clockwise overload protection starter PSX 165-164
	7 7150 1	Valeo	181 961 594 072 brush length 14.5 mm w/o. brushes and springs	D6RA8,10 PSX 146-147
	7 7151 1	Valeo	183 957 186 381 594 070 brush length 16.5 mm w/o. brushes and springs	D6RA5,6,12,16,18,20,61 PSX 148-149

	IKA-No.	Original	References	Unit-Nos.
	7 7152 1	Valeo	for 4 brushes w/o. brushes and springs brush sets	D8E... / D9E... PSX 129 PSX 130
	7 7153 1	Valeo	for 2 brushes w/o. brushes and springs brush set	D8E... / D9E... PSX 133
	7 7156 1	Valeo	for 2 and 4 brushes w/o. brushes and springs brush sets	D9R… PSX 138-139(2) PSX 140-141(4)
	7 7157 1	Valeo	with 4 springs and 4 caps w/o. brushes brush sets	D7R... PSX 142-143 PSX 142-144 PSX 142-145
	7 7159 1	Valeo	594351 3 brushes 594290 4 brushes 594479 complete with 4 brushes fits 3 brushes version brush sets	D7E 1,4,6,8,15,16 18-20,22,23,27, 29-32,47,52 SH 12 Volt PSX 155(3) PSA PSX 155(4) Mercedes A-class
	7 7165 1	Valeo	594381 complete with brushes brush set	D7ES 2,4,5 SIH 12 Volt VW PSX 156

IKA-No.	Original	References	Unit-Nos.
7 7601 1	Valeo	199411 brush holder with bracket with two component brushes	D6G… SIH anticlock VW

7 7602 1	Valeo	195253 brush holder with bracket with two component brushes	D6G... SH clockwise

7 7603 1	Valeo	195713 brush holder with bracket with two component brushes	D6G... SH clockwise

7 7604 1	Valeo	594 706, 194 404 brush holder with bracket with two component brushes	D6G3 SH clockwise

	IKA-No.	Original	References	Unit-Nos.
	7 5001 0	Faurecia	Brush Card MAD 2 Engine Cooler	
	7 5002 0	Faurecia	Brush Card MAD 2 complete with harness Engine Cooler	
	7 5003 0	Siemens-VDO	Brush Card power steering pump	
	7 5004 0	BMW	Brush Card power steering pump	
NEW	**7 5101 2**	Faurecia	HPI spring kit	PSA Renault fits Brush Set HPIX 3 fits Brush Cards 7 5001 0 and 7 5002 0
NEW	**7 5102 2**	Faurecia	HPI spring kit fits brush card 7 5004 0	

3

PLANETENGETRIEBE

PLANETARY GEARS

COURONNE AXE REDUCTEUR

	IKA-No.	Original	References	Unit-Nos.
NEW	**4 2301 0**	Bosch	1 006 200 006 1 006 200 187 Outer Gear 4 2202 0	0 001 110 004,007,008,011-013,019, 022,023,027,043-046,048, 049,051,052,064-067,083, 088,090,108,111,120
	4 2302 0	Bosch interchangeable with 4 2381 0	1 006 200 012 1 006 200 183 Outer Gear 4 2202 0	0 001 110 009,010,031,032
	4 2304 0	Bosch	1 006 200 001,005,010,018, 056,123,131 Outer Gear 4 2201 0	0 001 108 001,002,004,007,009-012, 016,017,019,020,022-031, 033,035,037-040,043,044, 047,048,051-053,056,057, 061,062,071-073,075,081, 082,084-086,091-093,095, 098,100,109,111,116-119, 126,129,136,137,144,146, 151,152,154,158,159,225, 241,242 0 001 111 003
	4 2306 0	Bosch	1 006 200 004,021 Outer Gear 4 2202 0	0 001 110 001,002,014,015 057,058
	4 2308 0	Bosch	1 006 200 037,130,159 Outer Gear 4 2207 0	0 001 107 003,004,022,023
	4 2310 0	Bosch	1 006 200 042,110 Outer Gear 4 2207 0	0 001 107 009,012,013,015,034,060 9 000 081 004

	IKA-No.	Original	References	Unit-Nos.
NEW	**4 2311 0**	Bosch Outer Gear 4 2207 0	1 006 200 043,128	001 107 007,008,020,021, 052,053 9 000 694 029
	4 2314 1	Bosch	1 006 200 057,132 Outer Gear 4 2203 0 O.E.REBUILT	0 001 107 014,016 F 004 A94 009
	4 2315 0	Bosch	9 001 337 058,059 9 003 336 270,299 Gear Kit 4 2221 0 9 002 388 850	0 001 218 002,004,005,007-015 017-019,022-028, 100,102-107,111-115, 118,120-122,124-131, 133-136,138,140-147, 151-155,158,159,161, 163,164,167,168,171, 175-177, 0 001 219 004,008,011,012,014,112 6 003 AB1 J00 9 000 331 401,402,405,407-409, 412-415,417,418,422, 425-427,432,433 9 000 332 401,402
	4 2318 0	Bosch	1 006 200 050 9 001 337 056 9 003 336 259,268 Gear Kit 4 2221 0 9 002 338 850	0 001 218 006,016,021,029, 108-110,123,127, 139,150,156,160 0 001 219 001,007,009,015,017 9 000 331 419
	4 2321 1	Bosch	1 006 200 040 Outer Gear 4 2208 0 O.E.REBUILT	0 001 109 001,002,006,007
	4 2322 0	Bosch	1 006 200 017,048,104, 134,903 Outer Gear 4 2203 0	0 001 108 003,018,042,054,057, 063-065,074,078-080, 083,087-090,101,102, 106-108,110,112-114, 120-122,124,125,143,149 9 000 694 038

	IKA-No.	Original	References	Unit-Nos.
	4 2323 0	Bosch	1 006 200 016,090,152,902 Outer Gear 4 2204 0	0 001 109 040 0 001 110 016,028-030,039,041, 048,049,053,054,071, 072,075,078,091,100, 101,104-107,110,113, 122,123,130,131
NEW	**4 2324 0**	Bosch	1 006 200 019,171,904 F 010 AL1 021 Outer Gear 4 2204 0	0 001 109 017,049,059,060 0 001 110 017,026,079,089, 095,114,126-129, 136-139,999 F 010 AL0 101
	4 2326 0	Bosch	1 006 200 064 Outer Gear 4 2207 0	0 001 107 024
	4 2327 1	Bosch	1 006 200 070,133 Outer Gear 4 2203 0 O.E. REBUILT	0 001 107 027-029,041
NEW	**4 2328 0**	Bosch	1 006 200 069,127 Outer Gear 4 2207 0	0 001 107 025,026,103,104
	4 2329 0	Bosch	1 006 200 030,041,129 Outer Gear 4 2210 0	0 001 107 005,006 0 001 108 059,060,076,077, 096,097

IKA-No.	Original	References	Unit-Nos.
4 2362 0	Bosch	1 006 200 088 Outer Gear 4 2214 0	0 001 124 001-006,013,014
4 2363 0	Bosch	1 006 200 117 Outer Gear 4 2214 0	0 001 125 001,002,005-008,012, 0 001 125 013,021,022,031,032 035,036,042,043,051,052 F 002 G20 506
4 2364 0	Bosch	1 006 200 100,109,118 Outer Gear 4 2214 0	0 001 124 007,008,011,012, 022-025 0 001 125 003,004,009,010, 039,040,617,618
4 2366 0	Bosch	1 006 200 126 Outer Gear 4 2214 0	0 001 125 055,056,501-504,507,508, 511-514,517,518,602
4 2367 0	Bosch	1 006 200 143 Outer Gear 4 2214 0	0 001 124 015 0 001 125 025,057-060 F 002 G20 658
4 2368 0	Bosch	9 001 337 073 9 003 336 265 Outer Gear 4 2221 0	0 001 218 116,117

	IKA-No.	Original	References	Unit-Nos.
	4 2369 0	Bosch	1 006 200 096,099 Outer Gear 4 2214 0	0 001 109 014,018,025,026,028, 030,031,033,036,041, 042,048,061 200,204,252,253,264, 267-270,336,337,340, 341,364 0 001 110 112 F 002 G20 292,524,618,622,672
NEW 	**4 2370 0**	Bosch	1 006 200 058,103 Outer Gear 4 2200 0	0 001 107 017,018,044,045
	4 2371 1	Bosch	1 006 200 087,145 Outer Gear 4 2200 0 O.E.REBUILT	0 001 107 037 0 001 108 157,169,190,196
	4 2372 0	Bosch	1 006 200 161,206 Outer Gear 4 2209 0	0 001 106 012,017,022-024
	4 2373 1	Bosch	1 006 200 047 O.E.REBUILT Gear Cover 4 2203 0	0 001 108 115,145
	4 2374 1	Bosch	1 006 200 061,071,111 Outer Gear 4 2203 0 O.E.REBUILT	0 001 108 125,128,132,139-141, 148,150,155,156,170, 177 0 001 115 035

	IKA-No.	Original	References	Unit-Nos.
	4 2375 0	Bosch	9 001 337 057 9 003 336 296 9 003 337 014 Gear KIt 4 2221 0	0 001 218 101,132,134-136,142, 148,149,157,163,174 9 000 331 417 9 000 332 402
	4 2377 1	Bosch	9 001 337 087 Gear Kit 4 2221 0 O.E.REBUILT	0 001 218 162,165
	4 2378 1	Bosch	1 006 200 068,135 Outer Gear 4 2201 0 O.E.REBUILT	0 001 108 130,133,138,210
	4 2379 0	Bosch	1 006 200 072,148,153 Outer Gear 4 2209 0 Gear Cover 4 2209 0	0 001 106 011,015,019 0 001 107 030,075,077,079,089, 092,093,098 9 006 694 035,044 F 000 AL0 106
	4 2380 1	Bosch	1 006 200 093 Outer Gear 4 2207 0 O.E.REBUILT	0 001 107 047
	4 2381 0	Bosch	1 006 200 055,184 Outer Gear 4 2204 0	0 001 110 061,062,069,070, 084-087,118,119

	IKA-No.	Original	References	Unit-Nos.
	4 2382 1	Bosch	1 006 200 082 Outer Gear 4 2203 0 O.E.REBUILT	0 001 108 153 Volvo 9128421
	4 2383 1	Bosch	1 006 200 014,900 Outer Gear 4 2203 0 O.E.REBUILT	0 001 108 021,147 Porsche 951 604 101 00
	4 2385 1	Bosch	1 006 200 077,086,189 Outer Gear 4 2204 0 O.E.REBUILT	0 001 110 076,077,098,099 Skoda VW 020 911 023 A,B
	4 2386 0	Bosch	1 006 200 136 Outer Gear 4 2246 0	0 001 109 034,063 Toyota 28100-0B020
NEW 	**4 2387 0**	Bosch	1 006 200 303,304,306, 307,309,519 Outer Gear 4	0 001 107 401,404,405, 408,411, 430,490,491 0 001 108 401,402,405,406,408, 412,430,431 F 004 A94 004 FIAT 467 916 92, 518 329 59 551 934 06 /60 717 398 64 Ford 3M5T-11000-EA 6G9N-11000-CC,-CD Opel 9115 190,-197 /9119 321 9317 1936,-5996,-6051 9318 4533,-4535
NEW	**4 2388 0**	Bosch	1 006 200 095,195,201 Outer Gear 4 2207 0	0 001 106 014 0 001 107 043,063,066,087,091, 097,109-111 FIAT 9624291380 Ford 96FB-11000-KB,KC,KD PSA 96147592, 96155198

	IKA-No.	Original	References	Unit-Nos.
NEW	**4 2389 0**	Bosch	9 001 336 244 6 033 AD0 233 6 033 AD3 310,311 Gear Kit 4 2250 0	0 001 230 001-010,012-014,018, 023,024,027,030 0 001 231 001-014,016-019,023, 028-030,033-036,038-041, 045,046,146
NEW	**4 2390 0**	Bosch	1 006 301,302,310 Outer Gear 4	0 001 107 402,403,407,409,410,417, 418,421,422,427,428,446, 447,499-502 0 001 108 400 0 399 708 303,304 F 004 A94 000

	IKA-No.	Original	References	Unit-Nos.
	4 2511 1	Ford-Visteon Outer Gear 4 2229 0	PMGR	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA
	4 2512 1	Ford-Visteon	PMGR	97VB-11000-AB 98VB-11000-BA,-B1A,B3B
	4 2513 1	Ford-Visteon	PMGR Outer Gear 4 2247 0	1S7U-11000-BA,-BB,-BC 2S7T-11000-DA,-DB 31CA-11000-AB 97CA-11000-AB XS7U-11000-AB,-BA YC1U-11000-AA,-AB,-AC,-AD,-AE,-AF
	4 2514 1	Ford-Visteon	PMGR Outer Gear 4 2247 0	1S4U-11000-AA 93BB-11000-HB,-JB 96BB-11000-AA 97BB-11000-BB,-BC F3RZ-11002-B

IKA-No.	Original	References	Unit-Nos.
4 2400 1	Marelli	542 941 89 855 408 21,-22 Gear 4 2245 0	631 110 00 632 234 30-36,-38,-94 632 235 30-33 632 236 39

	IKA-No.	Original	References	Unit-Nos.
	4 2501 1	Valeo Stationary Gear 37 teeth Planetary Shaft 15 teeth Outer Gear 4 2218 0	594609	D6RA84,85,87,185,187,188
	4 2502 1	Valeo Stationary Gear 59 teeth Planetary Shaft 22 teeth Outer Gear 4 2219 0	594538	D6RA 5,6,8,10,12,13,16,18,20, 22,26,30,32,33,37-39, 41,48,49,59,61
	4 2503 1	Valeo Stationary Gear 59 teeth Planetary Shaft 22 teeth Outer Gear 4 2219 0		D6RA65,165

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ERSATZTEILE FÜR GETRIEBESTARTER

COMPONENTS FOR GEAR STARTERS

PIECES DE RECHANGE POUR DEMARREURS A REDUCTEUR

IKA-No.	Original	References	Unit-Nos.
4 2200 0	Bosch	1 005 821 340 1 005 821 362	Gear 1 006 200 058,083,087,103,105, 112,114,116,125,137, 145,149,155 0 001 107 017,018,031,032,037,044, 045,048,049,054,055,059, 067-069,072-074,076,082,096 0 001 108 157,162,166,169,172-175,178, 180,182,186,188,189,190,196, 200,201,204 0 001 115 001,002,007,012,015,024 0 001 121 006-011,016-019,024-029 0 001 137 001-006,011,012 F 000 AL0 128 F 002 G20 318
4 2201 0	Bosch	1 005 821 300,307,311	Gear 1 006 200 001,005,007,010,018, 022,024,026,031,032,036,056, 068,074,123,131,135 0 001 108 001,002,004,007,009-013,016,017, 019,020,023-033,035,037-040, 043-048,050-053,056,057,059-062, 066,068-073,075-077,081,082, 084-086,091-096,098-100,103-105, 109,111,113-119,126-141,143-146, 148,150-159,169,203,210,225, 241,242,996-999
4 2202 0	Bosch	1 005 821 303	Gear 1 006 200 004,006,012,015,020, 021,027,044,183,187 FIAT 9940739 0 001 109 003,008,009,011,012 0 001 110 001-005,007-016,018,019, 022-025,027,031-033, 042-046,048,049,051,052, 055,057,058,061,064-067,076, 077,082,083,088,090,092,098, 099,102,108,110,111,113, 115,120,124,125
4 2203 0	Bosch	1 005 821 308,317 1 005 821 352	Gear 1 006 200 014,017,047-049,057,059, 061,070,071,076,082,098, 104,111,132-134 900,903 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054-057, 063-065,074,078-080,083 087-090,101,102,106-108, 110,112-115,120,121-125, 128,132,134,135,139-141, 143,145,147-150,153,155, 156,160,170,177,995 0 001 111 002 0 001 115 035

IKA-No.	Original	References	Unit-Nos.
4 2204 0	Bosch	1 005 821 306	Gear 1 006 200 016,019,033,034,039,055, 077,086,090,103,152,163, 171,184,902,904,908,909 F 010 AL1 030 0 001 109 017,040,049,059,060 0 001 110 016,017,026,028-030, 039,041,047-049,053, 054,059-063,068-073, 075-078-081,084-087, 089,091,095,098-100, 101,104-107,113,114, 118,119,122,123, 126-131,999
4 2205 0	Bosch	9 001 140 322 Plastic Gear	0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
4 2206 0	Bosch	9 001 140 322 alternative product Steel Gear	0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
4 2207 0	Bosch	1 005 821 312	Gear 1 006 200 037,042,043,060,064,069, 093,095,110,127,128,130, 141,195,910 F 000 AL1 937 0 001 107 003,004,007-009,012,013 015,019-026,034,043,047, 052,053,060,062,063,066, 083,087,089,097,103,104 9 000 081 004 9 000 694 029
4 2208 0	Bosch	1 005 821 313	Gear 1 006 200 040 0 001 109 001,002,006,007

	IKA-No.	Original	References	Unit-Nos.
	4 2209 0	Bosch	1 005 821 321	Gear 1 006 200 062,063,072,148,153, 160,161,180,206 0 001 106 011,012,015-017,019, 022-024 0 001 107 010,011,030,038,039, 075,077,079,080,088, 089,092,093,098 0 001 115 006 9 000 694 035,044 F 000 AL0 106
	4 2210 0	Bosch	1 005 521 314	Gear 1 006 200 030, 041,074,129,158,173 9 001 694 065 0 001 107 005,006,033,061,085 0 001 108 059,060,076,077,096,097 9 000 694 051,052
	4 2211 0	Bosch	Rubber for Outer Gear 4 2200 0, 4 2203 0	0 001 107 ... 0 001 108 ... 0 001 115 ... 0 001 121 ... 0 001 137 001-006,011,012
	4 2212 0	Bosch	Rubber for Outer Gear 4 2204 0, 4 2214 0	0 001 109 ... 0 001 110 ... 0 001 124 ... 0 001 125 ...
	4 2213 0	Bosch	9 003 331 003	Rubbber for 0 001 218 ...

	IKA-No.	Original	References	Unit-Nos.
	4 2214 0	Bosch	1 005 821 333	Gear 1 006 200 088,096,099-101,117, 118,122,126,143,166 0 001 109 014,015,018,019,025,026,028, 030,031,033,036,041,042,048, 052,055,061,062,068,200, 202-204,252,253,264,267-270, 336,337,340,341,364 0 001 110 112 0 001 124 001-008,011-015,022-025 0 001 125 001-013,016-019,021,022,025, 031,032,035,036,039,040,042, 043,046-049,051,052,055-060, 501-504,507,508,511-514, 517,518,602,605,606,617,618 F 002 G20 292,524,618,622,658,672
	4 2215 0	Bosch	Coverplate for Outer Gear 4 2200 0, 4 2203 0	0 001 107 ... 0 001 108 ... 0 001 115 ... 0 001 121 ...
	4 2216 0	Bosch	Coverplate for Outer Gear 4 2204 0, 4 2214 0	0 001 109 ... 0 001 110 ... 0 001 124 ... 0 001 125 ...
	4 2217 0	Bosch	Rubber for Outer Gear 4 2214 0	0 001 124 ... 0 001 125 ...
	4 2221 1	Bosch	9 002 338 850	0 001 218 100-161,163,164,167,168 170,171,174-178 602,620,703,710-712,715,716, 719,722,725,728,730,735-737, 740-742,754,757-759,763,764, 767,768,770,771,774-777,805, 808,809,812,814-822, 0 001 219 001-012,014,015,017,112 6 033 AB1 J00 9 000 331 402,405-407,412,415, 417-428,430-433, 9 000 332 401,402,405,406

	IKA-No.	Original	References	Unit-Nos.
	4 2222 0	Bosch	1 000 290 014,020 plastic gear ring for for 4 2200 0	0 001 107 017,018,031,032,037,044,045, 048,049,054,055,059,067-069, 073,074,076,082 0 001 108 190 F 005 M00 006,013 0 001 121 006-011,016-019,024-029 F 002 G20 318
	4 2225 0	Bosch	plastic gear ring for 4 2203 0	0 001 108 003,018,021,042,054,057, 063-065,074,078-080,083, 087-090,101,102,106-108, 110,112-115,120-124,128, 132,134,139-141,143,145, 148-150,155,156,160,170, 177,995
	4 2226 0	Bosch	plastic gear ring for 4 2204 0	0 001 109 040 0 001 110 017,026,028-030,039,041, 048,049,053,054,059,061, 062,069-073,075-079,081, 084-087,089,091,095, 105-107,113,114,118,119, 122,999 F 010 AL0 101
			plastic gear ring for 4 2214 0	0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042, 048,200,252,253 0 001 110 112 0 001 124 001-006, 011-015 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032, 035,036,042,043,046-049, 051,052,055,056, 501-504,507,508,511-514, 517,518,602,605,606
	4 2240 0	Bosch	Gear for 4 2200 0	0 001 107 031,032,037,048,049,059,082 0 001 108 190 0 001 115 001,002,007,012,015,024 F 005 M 000 006,013
			Gear for 4 2203 0	0 001 108 115,145
	4 2241 0	Bosch	Gear for 4 2200 0	0 001 107 017,018,044,045,054,055, 067-069,073,074,076 0 001 108 162,172,178,180,182,186,204 0 001 137 001-006,011,012
			Gear for 4 2203 0	0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057, 063-065,074,078-080,083, 087-090,101,102,106-108, 110,112,114,120-124,128, 132,134,139-141,143,148-150, 155,156,160,170,177,995

	IKA-No.	Original	References	Unit-Nos.
	4 2242 0	Bosch	Gear for 4 2204 0	0 001 109 040 0 001 110 017,026,028-030,039,041, 048,049,053,054,059,061, 062,069-073,075-079,081, 084-087,089,091,095,105-107, 113,114,118,119,122,999 F 010 AL0 101
			Gear for 4 2214 0	0 001 124 001-006,011-015 0 001 125 003,010,011,025,057-060 F 002 G20 658
	4 2243 0	Bosch	9 003 336 321	Gear for 4 221 1
	4 2244 0	Bosch	Gear for 4 2214 0	0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042-048, 200,252,253 0 001 110 112 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606
	4 2246 0	Bosch	Outer Gear	Gear 1 006 200 136 0 001 109 034,132 Toyota 28100-0B020
	4 2250 0	Bosch	9 003 337 009	Gear 6 033 AD0 233 6 033 AD3 087,310,311 6 033 AD4 066,120 9 001 336 244 0 001 230 001-010,012-016,018,020-024, 026-027,030 0 001 231 001-014,016-019,023,026,030, 033-036,038-041,045,046,146

IKA-No.	Original	References	Unit-Nos.
4 2251 1	Bosch	4 2200 0 w.Rubber (3)	

4 2253 1	Bosch	4 2203 0 w.Rubber (3)	

4 2254 1	Bosch	4 2204 0 +Gummi /Rubber (3)	0 001 110 ...

4 2255 1	Bosch	4 2214 0 + Gummi /Rubber(3)	0 001 124 ... / 125 ...

4 2265 1	Bosch	Gear Wheel Kit 3 gear wheels 108 3 HK 0608 for Gear 4 2241 0	0 001 107 014,016,027-029,041 0 001 108 ...

4 2266 1	Bosch	Gear Wheel Kit 3 gear wheels 110 3 HK 0609 for Gear 4 2242 0	0 001 110 ... 0 001 124 ... 0 001 125 ...

IKA-No.	Original	References	Unit-Nos.
4 2267 1	Bosch	Gear Wheel Kit 3 gear wheels 218 3 HK 0509 for Gear 4 2243 0 4 2244 0	0 001 109 ... 0 001 124 ... 0 001 125 ... 0 001 218 001-029

	IKA-No.	Original	References	Unit-Nos.
	4 2229 0	Ford-Visteon	E90Z-11A165-A F7RU-11165-CA	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA
	4 2247 0	Ford-Visteon Marelli	631 870 51 Inner Gear fits 4 2513 1, 4 2514 1	1S4U-11000-AA 1S7U-11000-BA,-BB,-BC 2S7T-11000-DA 3M5T-11000-DB,-DC 4M5T-11000-FA,-FB,-FT 6G9N-11000-FA 93BB-11000-HB,-JB 96BB-11000-AA 97BB-11000-BB,-BC 97CA-11000-AB 98AB-11000-AD F3RZ-11002-B XS7U-11000-AB,-BA YC1U-11000-AA,-AB,-AE,-AT
	4 2248 0	Ford-Visteon	Outer Gear for 4 2247 0	

	IKA-No.	Original	References	Unit-Nos.
	4 2224 0	Marelli	542 94580 M70R fits Planetary Gear 855 412 40	631 110 01,05,08 631 130 01 632 235 35,37 632 237 30
	4 2245 0	Marelli	fits Planetary Gear 855 408 21,-22 4 2400 1	631 110 00 632 234 30-36,38,94 632 235 30-33 632 236 39 E70R

	IKA-No.	Original	References	Unit-Nos.
	4 2227 0	Melco	M135C00171	M1T70481,681,685-687,881 M1T71081,281,481,781,841,881 M1T72081,086,181,182,581,981
	4 2228 0	Melco	M135X00871 MD618538	M1T70281,285-287,381,481,681, M1T70781,881,981,985 M1T71181,381,385,481,581,681, M1T71781

IKA-No.	Original	References	Unit-Nos.
4 2223 0	Remy	10475632	PG 260

IKA-No.	Original	References	Unit-Nos.
4 2218 0	Valeo Delco Outer Gear 37 teeth fits 4 2501 1	 21023994 21024210	D6RA84,85,87,185,187,188
4 2219 0	Valeo Remy Outer Gear 59 teeth fits 4 2502 1	 21023232 21023719	D6RA5,6,8,10,12,13,16,18,20, 22,26,30,32,33,37-39,41, 48,49,53,56,59,61,62,73, 74,93,133,141,162,249, 511,571,572
4 2268 1	Valeo	594019 Gear Wheel Kit (3) complete with bushings fits Planetary Gear 4 42502 1, 4 2503 1 fits Outer Gear 4 2219 0 59 teeth	D6RA

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SINTERBUCHSEN

BUSHINGS

BAGUES

Original	IKA-No.	IKA-No.	Dimensions
A.C. DELCO / US DELCO 194 5509	**bulk** **4 4201 0**	packed by 10 4 4201 1	16 /19.2x22
A.C. DELCO / US DELCO 347 1553	**bulk** **4 4204 0**	packed by 10 4 4204 1	12.05/14.05x14
A.C. DELCO / US DELCO 198 4268 drive	**bulk** **4 4206 0**	packed by 10 4 4206 1	12 /13.2x18.2

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 000 1 000 301 042 2 000 301 019	**bulk** **4 4000 0**	packed by 10 4 4000 1	12.56/16.6x15.8
BOSCH 1 000 301 093	**bulk** **4 4001 0** **O.E.split bushing**	packed by 10 n.a.	14.3/16x39.8
BOSCH 1 000 301 002 1 000 301 047	**bulk** **4 4002 0**	packed by 10 n.a.	12.56/16.6x14
BOSCH 1 000 301 001 1 000 301 034 1 000 301 046	**bulk** **4 4004 0**	packed by 10 4 4004 1	12.56/16.6x11.5
BOSCH 1 000 322 005	**bulk** **4 4005 0**	packed by 10 4 4005 1	10.06/16.6 -19x14.8
BOSCH 1 000 301 009 1 000 301 031 2 000 301 020	**bulk** **4 4009 0**	packed by 10 n.a.	12.1 /13.62x11.5
BOSCH 1 000 301 011	**bulk** **4 4011 0**	packed by 10 4 4011 1	12.06/16.12x16
BOSCH 1 000 301 012	**bulk** **4 4012 0**	packed by 10 4 4012 1	12.06/16.12x14
BOSCH 1 000 301 013	**bulk** **4 4013 0** **limited stock**	packed by 10 n.a.	26.12/30.13-33x11.5
BOSCH 1 000 301 021	**bulk** **4 4021 0**	packed by 10 4 4021 1	11.06/13.63x14
BOSCH 1 000 301 022	**bulk** **4 4022 0**	packed by 10 4 4022 1	17.61/21.62x 9.5
BOSCH 1 000 301 023	**bulk** **4 4023 0** **limited stock**	packed by 10 n.a.	14.36/16.04x10
BOSCH 1 000 301 027	**bulk** **4 4027 0** **limited stock**	packed by 10 n.a.	26.12/32.13-33x11.5
BOSCH 1 000 301 032	**bulk** **4 4032 0**	packed by 10 n.a.	11.1 /12.62x11.5
BOSCH 1 000 301 054 L	**bulk** **4 4052 0** **gear inside 0 001 218 ...**	packed by 10 4 4052 1	8.06/11.12x10
BOSCH 1 000 301 026 1 000 301 053 1 000 301 077 2 000 301 025 2 000 301 053	**bulk** **4 4053 0**	packed by 10 n.a.	12.1 /13.62x13.5
BOSCH 1 000 301 054 1 000 301 070 1 000 301 076 VALEO D7E CE	**bulk** **4 4054 0**	packed by 10 4 4054 1	8.06/11.12x08

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 055 1 000 301 074	**bulk** **4 4055 0**	packed by 10 4 4055 1	18.03/22.12x08
BOSCH 1 000 301 056 1 000 301 083 FORD E90Z-11135-A VALEO D7E DE	**bulk** **4 4056 0** **Bosch** **IKA**	packed by 10 4 4056 1 Replacement HK1210	10.06/14.1x10 1 000 917 003 8 4096 0
BOSCH 1 000 301 055 K	**bulk** **4 4057 0** **gear outside 0 001 218 ...**	packed by 10 4 4057 1	18.03/22.12x 6.5
BOSCH 1 000 301 061	**bulk** **4 4061 0**	packed by 10 n.a.	10.06/16.6x10.5
BOSCH 1 000 301 062 9 001 320 323 F 000 AL1 011	**bulk** **4 4062 0**	packed by 10 n.a.	12.56/16.6x10
BOSCH 1 000 301 063	**bulk** **4 4063 0**	packed by 10 n.a.	12.05/15.05x15
BOSCH 1 000 301 066 1 000 301 082 1 000 301 120	**bulk** **4 4066 0**	packed by 10 n.a. O.E. split bushing	12.10/13.62x18.8
BOSCH 1 000 301 080 1 000 301 091	**bulk** **4 4071 0**	packed by 10 n.a.	12.56/16.6x08
BOSCH 1 000 301 072	**bulk** **4 4072 0**	packed by 10 n.a.	11/13.5x09
BOSCH 9 001 140 347 FIAT / MARELLI 9 939 199	**bulk** **4 4077 0**	packed by 10 4 4077 1	10.06/16.6x11.5
BOSCH 1 900 301 420	**bulk** **4 4080 0**	packed by 10 4 4080 1	14/20x10
BOSCH 1 900 301 454	**bulk** **4 4081 0** **O.E. bushing**	packed by 10 n.a.	25/32x17.9
BOSCH 1 000 390 001/003 1 000 390 004	**bulk** **4 4082 0** **split bushing**	packed by 10 4 4082 1 replacement	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	**bulk** **4 4083 0** **sintered bushing**	packed by 10 n.a.	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	**bulk** **4 4085 0** **O.E.split bushing**	packed by 10 n.a.	28.5 /32.3x11
BOSCH 9 003 330 317	**bulk** **4 4093 0**	packed by 10 4 4093 1	10/16.1x10
BOSCH 2 000 301 002 2 000 301 140	**bulk** **4 4102 0**	packed by 10 4 4102 1	19.09/25.1x10

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 2 000 301 000	**bulk** **4 4103 0**	packed by 10 4 4103 1	12.56/16.6x18
BOSCH 2 000 301 004	**bulk** **4 4104 0**	packed by 10 n.a.	16.67/19.6x19
BOSCH 2 000 301 005	**bulk** **4 4105 0**	packed by 10 n.a.	22.08/26.1x23
BOSCH 2 000 301 006	**bulk** **4 4106 0**	packed by 10 n.a.	14.36/16.04x23.5
BOSCH 2 000 301 009	**bulk** **4 4109 0** **limited stock**	packed by 10 4 4109 1	14/17.6x15
BOSCH 2 000 301 011	**bulk** **4 4111 0** **limited stock**	packed by 10 n.a.	19.09/25.1x13
BOSCH 2 000 301 013	**bulk** **4 4113 0**	packed by 10 n.a.	10.07/14.1x13
BOSCH 2 000 301 015	**bulk** **4 4115 0**	packed by 10 4 4115 1	40/48x10.5
BOSCH 2 000 301 016	**bulk** **4 4116 0**	packed by 10 4 4116 1	22.14/28.1x11.3
BOSCH 2 000 301 022	**bulk** **4 4122 0** **limited stock**	packed by 10 n.a.	11.1 /12.62x10.5
BOSCH 1 000 301 008 1 000 301 078 2 000 301 023 2 000 301 040	**bulk** **4 4123 0**	packed by 10 4 4123 1	12.1/14.12x13
BOSCH 2 000 301 024 2 000 301 028	**bulk** **4 4124 0**	packed by 10 n.a.	14.36/16.04x13.7
BOSCH 2 000 301 026	**bulk** **4 4126 0**	packed by 10 4 4126 1	19.09/23.1x10
BOSCH 1 000 301 019 2 000 301 031	**bulk** **4 4131 0**	packed by 10 n.a.	14.36/16.04x11.7
BOSCH 2 000 301 036	**bulk** **4 4136 0**	packed by 10 4 4136 1	12.1/14.12x14
BOSCH 2 000 301 037	**bulk** **4 4137 0**	packed by 10 n.a.	14.06/20.03x17
BOSCH 2 000 301 041 2 000 301 045 2 000 301 049	**bulk** **4 4141 0**	packed by 10 4 4141 1	19.09/23.1x13
BOSCH 2 000 301 043 2 000 301 047	**bulk** **4 4142 0**	packed by 10 4 4142 1	14.06/18.1x14
BOSCH 2 000 301 044	**bulk** **4 4144 0**	packed by 10 n.a.	14.36/16.04x20.5
BOSCH Gear Shaft for Planetary Gear	**bulk** **4 4198 0** **9 001 336 244**	packed by 10 n.a.	20.85/25x11.8

Original	IKA-No.	IKA-No.	Dimensions
Starters	**0 001 230 … / 231 …**		
BOSCH	**bulk**	packed by 10	
2 000 322 020	**4 4199 0**	n.a.	34.5/44x42.5
2 000 301 110	**white metal**	limited stock	

Original	IKA-No.	IKA-No.	Dimensions
DENSO 949103-3600	**bulk** **4 4450 0** **limited stock**	packed by 10 n.a.	10.1/15.5x10.4
DENSO 949103-3850	**bulk** **4 4451 0** **limited stock**	packed by 10 n.a.	11/14.7x17
DENSO 028403-0082	**bulk** **4 4457 0**	packed by 10 4 4457 1	12.5/14.7x14
DENSO 949103-0390	**bulk** **4 4461 0**	packed by 10 n.a.	12.5/16.5x10.5
DENSO 949103-3160	**bulk** **4 4462 0**	packed by 10 n.a.	12.5/15.5x10.5
DENSO 949103-3610	**bulk** **4 4468 0** **limited stock**	packed by 10 n.a.	11.0/14.7x 8
DENSO 949103-3840	**bulk** **4 4469 0**	packed by 10 n.a.	11.0/14.7x11
DENSO 949103-0540 949103-1320 949103-2020	**bulk** **4 4475 0**	packed by 10 n.a.	12.5/16.5x14
DENSO Gear Starter	**bulk** **4 4482 0** **limited stock**	packed by 10 n.a.	22.7/28.5x 6

Original	IKA-No.	IKA-No.	Dimensions
FEMSA	**bulk**	packed by 10	
12665-12	**4 4280 0**	4 4280 1	10/14-16.5x13

Original	IKA-No.	IKA-No.	Dimensions
FIAT / MARELLI 4 114 431 9 938 368 748 603 00 FEMSA 3305-103	**bulk** **4 4300 0**	packed by 10 4 4300 1	12/16x14
FIAT / MARELLI 4 114 442 748 603 80	**bulk** **4 4301 0**	packed by 10 4 4301 1	10/14x15
FIAT / MARELLI 672 541 748 682 10 FEMSA 3305-13 ISKRA 17 120 057 PAL MAGNETON	**bulk** **4 4302 0**	packed by 10 4 4302 1	10/14x13.5
FIAT / MARELLI 4 007 952 747 057 10 FEMSA 3305-10 ISKRA 17 120 203 CE LADA 2101-370-8310 CE	**bulk** **4 4304 0**	packed by 10 n.a.	12/16x16
FIAT / MARELLI 4 047 985 748 661 40 FEMSA 3305-11 LADA 2101-370-8405 DE	**bulk** **4 4305 0**	packed by 10 n.a.	12/16x24.5
FIAT / MARELLI 9 927 787 723 625 10	**bulk** **4 4306 0**	packed by 10 4 4306 1	12.57/18.54x19.8
FIAT / MARELLI 9 927 783,-789 723 629 10	**bulk** **4 4307 0**	packed by 10 4 4307 1	14.1/20x11.8
FIAT / MARELLI 9 927 796 723 650 10	**bulk** **4 4308 0**	packed by 10 4 4308 1	20.27/24x13,9
FIAT / MARELLI Starter Drive	**bulk** **4 4310 0**	packed by 10 n.a.	11.6/13.5x18
FIAT / MARELLI 748 811 10 748 878 90	**bulk** **4 4311 0**	packed by 10 n.a.	12/16x12
FIAT / MARELLI E70R D.E.	**bulk** **4 4312 0**	packed by 10 n.a.	8/12x 9.6
FIAT / MARELLI E70R I.M.	**bulk** **4 4313 0**	packed by 10 n.a.	18.1/23x8.0
FIAT / MARELLI Starter Drive	**bulk** **4 4314 0**	packed by 10 n.a.	12.16/14.1x18
FIAT / MARELLI E95R C.E.	**bulk** **4 4315 0**	packed by 10 n.a.	15.07/18.1x11.8
FIAT / MARELLI E70R C.E.	**bulk** **4 4316 0**	packed by 10 n.a.	8/11.5-14.5x10
FIAT / MARELLI M70R	**bulk** **4 4318 0**	packed by 10 n.a.	18.17/23.05x 9.2

Original	IKA-No.	IKA-No.	Dimensions
FIAT / MARELLI 850 208 747 058 10 DUCELLIER 604 521 PARIS RHONE 47 852	**bulk** **4 4354 0**	packed by 10 4 4354 1	14/18x20

Original	IKA-No.	IKA-No.	Dimensions
FORD-VISTEON	**bulk**	packed by 10	
PMGR 97BB-11000-BB,BC	**4 4272 0**	n.a.	8.1/12.45x10
FORD-VISTEON	**bulk**	packed by 10	
Gear	**4 4273 0**	n.a.	7.0/11.9x10

Original	IKA-No.	IKA-No.	Dimensions
HITACHI 2114-44101	**bulk** **4 4443 0**	packed by 10 n.a.	18.1/22.04x6.8
HITACHI PMGR	**bulk** **4 4444 0**	packed by 10 n.a.	22.05/26.05x5.2
HITACHI 2114-5352 PAL 323 622 640 853 Skoda Favorit	**bulk** **4 4454 0**	packed by 10 n.a.	12.5/16.0x12
HITACHI 2114-4661 2114-5661	**bulk** **4 4455 0**	packed by 10 4 4455 1	12.5/16.0x15
HITACHI 2114-3601 FIAT 748 944 80	**bulk** **4 4459 0**	packed by 10 n.a.	11.0/15.0x15
HITACHI 2120-4401	**bulk** **4 4463 0** **limited stock**	packed by 10 n.a.	20.4/26.5x12.5
HITACHI 2106-1601 2106-2352 2114-1352 2114-1601 2114-3352	**bulk** **4 4466 0** **limited stock**	packed by 10 n.a.	11.5/15.0x13/14
HITACHI 2114-1452	**bulk** **4 4467 0** **limited stock**	packed by 10 n.a.	17.5/20.1x 7.5
HITACHI 2114-2601 2120-2601	**bulk** **4 4471 0**	packed by 10 n.a.	14.0/18.0x20
HITACHI 2130-1310 2130-2601	**bulk** **4 4472 0**	packed by 10 n.a.	14.0/18.0x17
HITACHI Gear Starter	**bulk** **4 4476 0** **limited stock**	packed by 10 n.a.	27.1/31.24-31.4x5.8
HITACHI Gear Starter	**bulk** **4 4477 0**	packed by 10 n.a.	22.05/26.28x5.2
HITACHI 2114-1353	**bulk** **4 4485 0**	packed by 10 4 4485 1	12.05/15.55x5.5

Original	IKA-No.	IKA-No.	Dimensions
ISKRA	**bulk**	packed by 10	
17 120 305 DE	**4 4426 0**	n.a.	11.6/14.08x13

Original	IKA-No.	IKA-No.	Dimensions
LUCAS 54.252.054 TCB 114	**bulk** **4 4400 0** **limited stock**	packed by 10 n.a.	12/15x16.7
LUCAS 54.252.236 TCB 113	**bulk** **4 4401 0** **limited stock**	packed by 10 n.a.	14/17x19.6
LUCAS 54.241.267	**bulk** **4 4402 0** **limited stock**	packed by 10 n.a.	11.2/15.9-26.2x16.3
LUCAS 253.316 TCB 124	**bulk** **4 4403 0** **limited stock**	packed by 10 n.a.	19/20.6x17.8
LUCAS 251.477 TCB 125	**bulk** **4 4404 0** **limited stock**	packed by 10 n.a.	12.7/15.8x12.7
LUCAS 255.491 TCB 123	**bulk** **4 4405 0** **limited stock**	packed by 10 n.a.	15.8/19x19
LUCAS 250.626 TCB 127	**bulk** **4 4406 0** **limited stock**	packed by 10 n.a.	12.7/15.8x19.6
LUCAS 250.678 TCB 126	**bulk** **4 4407 0** **limited stock**	packed by 10 n.a.	19/20.6x20.6
LUCAS 54.255.966 TCB 118 part of kit	**bulk** **4 4409 0**	packed by 10 4 4409 1	17.1/21x22.2
LUCAS 54.256.151	**bulk** **4 4410 0** **TCB 106/118 part of kit**	packed by 10 4 4410 1	28.6/31.8-38.1x13
LUCAS 54.257.833	**bulk** **4 4411 0** **TCB 106/118 part of kit**	packed by 10 4 4411 1	12.8/19.1x14
LUCAS 271.364 TCB 120	**bulk** **4 4412 0** **limited stock**	packed by 10 n.a.	12.7/15.9x16.5
LUCAS 54.256.098 54.256.132	**bulk** **4 4414 0** **TCB 106/118 part of kit**	packed by 10 n.a.	12.8/15.9x14
LUCAS Starter 27576	**bulk** **4 4415 0** **TCB 106 part of kit**	packed by 10 n.a.	14.4/17.5x22.2
LUCAS 256.112	**bulk** **4 4417 0** **limited stock**	packed by 10 n.a.	12.7/14.35x17.4
LUCAS 54.269.790	**bulk** **4 4418 0** **TCB 129/130 part of kit**	packed by 10 n.a.	12/15x8

Original	IKA-No.	IKA-No.	Dimensions
MELCO Planetary Gear	**bulk** **4 4452 0**	packed by 10 n.a.	8.1/11.5x11.6
MELCO Starter Drive	**bulk** **4 4453 0**	packed by 10 n.a.	12.0/14.0x16
MELCO M410D11271	**bulk** **4 4456 0**	packed by 10 n.a.	11.0/13.0x13
MELCO M409C12670	**bulk** **4 4458 0**	packed by 10 n.a.	11.0/14.0x13
MELCO M409D32201 M410D30171	**bulk** **4 4460 0**	packed by 10 n.a.	14.2/17.2x13
MELCO M409C12970 M409D30201 M649D 30201	**bulk** **4 4464 0**	packed by 10 4 4464 1	10.0/14.0x13.5
MELCO M409C32370	**bulk** **4 4465 0**	packed by 10 4 4465 1	12.0/16.0x9.5
MELCO M409C12870	**bulk** **4 4470 0**	packed by 10 4 4470 1	10.0/14.0x9.5
MELCO Starter Drive small	**bulk** **4 4479 0** **limited stock**	packed by 10 n.a.	12.9/14.45x18
MELCO Starter Drive large	**bulk** **4 4481 0** **limited stock**	packed by 10 n.a.	18.8/20.0x11.5
MELCO M409X32571	**bulk** **4 4484 0**	packed by 10 4 4484 1	10.0/13.0-16.0x10.5

Original	IKA-No.	IKA-No.	Dimensions
MITSUBA	**bulk**	packed by 10	
Mitsuba IM	**4 4478 0**	n.a.	23.0/27.0x 6
	limited stock		

Original	IKA-No.	IKA-No.	Dimensions
PAL MAGNETON 323 125 527 127 AVIA CE 360 904 551	**bulk** **4 4240 0**	packed by 10 n.a.	14.54 /18.03x14.8
PAL MAGNETON 323 125 436 125 AVIA IM 397 907 552	**bulk** **4 4241 0**	packed by 10 n.a.	19.06 /22.53x13.9
PAL MAGNETON 390 905 551 PAST. T815 bronce	**bulk** **4 4242 0**	packed by 10 4 4242 1	22.04 /26.03x27.4
PAL MAGNETON 323 125 527 131 AVIA DE 360 904 550	**bulk** **4 4243 0**	packed by 10 n.a.	14.54 /18.03x16.8
PAL MAGNETON 751 904 552 VIKO T815 931550	**bulk** **4 4244 0**	packed by 10 n.a.	23.04 /27.03x19.8
PAL MAGNETON 390 905 550 LIAZ TATON	**bulk** **4 4245 0**	packed by 10 n.a.	21.03 /24.67x25.9
PAL MAGNETON 395 904 551 PAST. LIAZ T. steel	**bulk** **4 4246 0**	packed by 10 4 4246 1	22.04 /26.03x27.4
PAL MAGNETON 323 125 723 125 SKODA 103 903 552	**bulk** **4 4247 0**	packed by 10 n.a.	12.56 /16.6x14
PAL MAGNETON 323 622 642 933 SKODA FAVORIT 114 904 550	**bulk** **4 4248 0**	packed by 10 n.a.	10/14x15

	Original	IKA-No.	IKA-No.	Dimensions
	REMY US	**bulk**	packed by 10	
	183 9345 drive	**4 4200 0**	n.a.	12.8 /14.35x19.8
	REMY US	**bulk**	packed by 10	
	198 8096	**4 4202 0**	n.a.	21.3 /24.4x25
	REMY US	**bulk**	packed by 10	
	193 2190 drive	**4 4203 0**	4 4203 1	12 /13.2x12
	DR 2003			
	REMY US	**bulk**	packed by 10	
	196 2606	**4 4205 0**	n.a.	19.2 /31.8x10.2
		limited stock		
NEW	REMY US	**bulk**	packed by 10	
	1943628	**4 4207 0**	n.a.	14.31/19.11x19.2
		limited stock		

Original	IKA-No.	IKA-No.	Dimensions
VALEO 600 609	**bulk** **4 4253 0**	packed by 10 n.a.	13/15x14,5
VALEO 068 754	**bulk** **4 4255 0** **limited stock**	packed by 10 n.a.	14.01/17.05x16
Valeo 82 775	**bulk** **4 4256 0**	packed by 10 4 4256 1	12.05/15.05x20
VALEO 098 888	**bulk** **4 4257 0**	packed by 10 n.a.	10/13x12
VALEO 030828 DUCELLIER 094 909 604 541	**bulk** **4 4259 0**	packed by 10 4 4259 1	15.95/19.15x14
VALEO 028 936 068 888	**bulk** **4 4260 0**	packed by 10 4 4260 1	16.2/19.15x15
VALEO 600 628 602 039	**bulk** **4 4263 0**	packed by 10 n.a.	13/15x13.5
VALEO 68 412 601 476 ISKRA 15 120 087 LUCAS 54.269.480 PARIS RHONE 097 726 ROMANIAN DM 214 Dacia CE	**bulk** **4 4264 0**	packed by 10 4 4264 1	12.05/15.05x12
VALEO 051914 DUCELLIER 068 902, 068 903 084 909 LADA Samara DE ROMANIAN DM 214 Dacia DE	**bulk** **4 4265 0**	packed by 10 4 4265 1	12.05/15.05x15
VALEO 078039	**bulk** **4 4350 0**	packed by 10 n.a.	12/15.05-18x16
VALEO 068 763 PARIS RHONE 096 485 FEMSA 3305-89 ROMANIAN 2130,2134	**bulk** **4 4351 0**	packed by 10 4 4351 1	14/18x15
VALEO 050488	**bulk** **4 4352 0**	packed by 10 4 4352 1	20/24x12
VALEO 049 785, 052 123 DUCELLIER 068 449	**bulk** **4 4353 0**	packed by 10 4 4353 1	14/18x18
VALEO 074 952	**bulk** **4 4355 0**	packed by 10 n.a.	16/20x10

Original	IKA-No.	IKA-No.	Dimensions
VALEO 055 330 074 332	**bulk** **4 4361 0**	packed by 10 n.a.	17/21x24
VALEO 071 437	**bulk** **4 4362 0** **limited stock**	packed by 10 n.a.	25/32.0-39.0x20
VALEO 095 654	**bulk** **4 4363 0**	packed by 10 n.a.	20/24x16
VALEO 074 330	**bulk** **4 4364 0**	packed by 10 n.a.	27/35x14
VALEO 046 388	**bulk** **4 4365 0** **limited stock**	packed by 10 n.a.	20/28x29
VALEO 046 390	**bulk** **4 4366 0** **limited stock**	packed by 10 n.a.	20/28.0-32.0x25
VALEO 046 389	**bulk** **4 4367 0** **limited stock**	packed by 10 n.a.	27.1/35.0-40.0x29.5
VALEO 104 164	**bulk** **4 4368 0**	packed by 10 n.a.	16/20x8
VALEO 071 381	**bulk** **4 4369 0**	packed by 10 n.a.	16/20x25
VALEO 055 331	**bulk** **4 4370 0** **limited stock**	packed by 10 n.a.	25/30x20
VALEO 105 464	**bulk** **4 4371 0**	packed by 10 4 4371 1	10/13x13
VALEO 105 715	**bulk** **4 4372 0**	packed by 10 4 4372 1	10/13x16
VALEO Starter Drive MITSUBISHI Starter Drive	**bulk** **4 4380 0**	packed by 10 n.a.	12/14x20
VALEO D6RA DE	**bulk** **4 4501 0**	packed by 10 4 4501 1	12/15x10
VALEO D6RA IM	**bulk** **4 4502 0**	packed by 10 n.a.	18/22x5
VALEO D6RA CE	**bulk** **4 4503 0**	packed by 10 4 4503 1	6/10.0-13.7x 8
VALEO D6RA DS	**bulk** **4 4504 0**	packed by 10 n.a.	6/9x7
VALEO D7R IM	**bulk** **4 4505 0**	packed by 10 n.a.	20/24x5
VALEO D7R DS	**bulk** **4 4506 0**	packed by 10 4 4506 1	7/10x6.1
VALEO D6RA Gear Wheel	**bulk** **4 4507 0**	packed by 10 4 4507 1	4/7x7

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NADELLAGER

NEEDLE BEARINGS

ROULEMENTS A AIGUILLES

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 2256 0	INA	HK 0608	06.00 / 10.00 x 08.00	
8 2258 0	INA	HK 0609	06.00 / 10.00 x 09.00	
8 2260 0	INA	HK 0509	05.00 / 09.00 x 09.00	
8 2269 0	Valeo	186663	04.00 / 08.00 x 08.00	D6RA67,81,167,181,183
	INA	HK 0408		D6RADP359
8 4079 0	INA	HK 1210	12.00 / 16.00 x 10.00	
8 4090 0	Bosch	1 000 917 009	28 / 35.2 x 14.62	0 001 120 400-411
		1 000 917 010		0 001 121 032,033,402,403,
		1 000 917 012		408-413,422,423,427-430
	INA	F-235208/.02/.04		443,444
				0 001 122 201,202,400-403
				0 001 123 002,003,012-021,024-029,
				036-039,044,045,
				0 001 124 026,027
				0 001 125 055-058,519-522,609,610,
				617,618
				0 001 142 001-006
				0 001 145 001,002
				0 001 153 007-010,013,014
				F 002 G20 325
8 4091 0	Bosch	9 003 330 901	10.00 / 17.00 x 12.00	9 000 331 201
	INA	NK 10/17 TN		
8 4092 0	Bosch	2 000 910 013	15.87 / 23.80 x 21.90 (closed)	0 001 370 003,004
	INA	BCH F-220469		0 001 371 004-010,012-020
8 4094 0	Bosch	1 000 917 007	31.00 / 37.00 x 16.00	0 001 121 022,023
	INA	F-229411		0 001 124 020,021
				0 001 125 016-019,046-049,053,054,
				600,601,605-608
				F 002 G20 310,314,475,553,570,594,
				669,670
8 4095 0	Bosch	1 000 917 005	12.00 / 16.00 x 14.00	0 001 107 070,071
	INA	HK 1214 2RS FPM		0 001 108 113,114,174,175,
				200,201,220,221
				0 001 109 011,021,022,026,043,044,
				056,059,060,064-067,
				204,205,258-261,275,276,
				304,305,340,341,389,390
				0 001 110 029,030,056,066,067,
				100,101,106,107,122,123,
				126-129,136-139
				0 001 115 022,023,088,089,092,093
				0 001 139 023,024,031,032,047,048
				9 000 694 048
				F 004 A94 002,009
8 4096 0	INA	HK 1010	10.00 / 14.00 x 10.00	
8 4097 0	Bosch	1 000 917 004	10.00 / 14.00 x 14.00 closed	0 001 106 406,404
	INA	HK 1014 RS		0 001 107 010,011,019,027-029,
				038,039,041,043,063,
				085,087
				407,410,417,418,421,
				422,456,499,500-502

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				0 001 108 125,128,130,132,133 138-141,155,156,176-178, 183,188,206,207,210, 228,229,237,238 400,405,406,408,411,412, 0 001 112 017,018,029,033,037,041, 0 001 113 009,010,015,017, 0 001 115 009,016,017,031,032,035, 0 001 116 003 9 000 695 004,005,007,008, F 000 AL0 103,104 F 002 G20 049,101,348,449,500,546, 568,639,697,715 F 004 A94 004
8 4098 0	Marelli/Fiat INA	 HK 1214 RS	12 /18 x 14 mm	E95R DE
8 4099 0	INA	HK 1216 2RS	12.00 / 18.00 x 16.00	
8 4207 0	Remy INA	7451787 9437171 FC-66217	17.00 / 23.80 x 31.8(closed)	20SI,27SI Type 200 1100 056,057,061,062,066, 067,071-073,075-078, 080-083,086,087
8 4208 0	Ford-Visteon	SCE 98	14.29 / 19.05 x 12.7	1S7U-11000-BA,-BB YC1U-11000 AB,-AE
8 4209 0	Bosch INA	1 000 917 008 F-231294	5 / 8.52 x 6.86	0 001 107 404,405,429,435,437 0 001 108 400,405,406 0 001 120 402,403
8 4210 0	Melco	DB501005C	10 / 15 x 15.4 (closed)	M2T87671
8 8118 0	INA	HK 1812	18.00 / 24.00 x 12.00	
8 8160 0	Melco	BA 136 ZOH	20.50 / 27.50 x 19.50	M8T50071,50171,70071
8 8161 0	Melco INA	 HK 1419	14.00 / 19.00 x 12.00 TLA141912ZE01	M2T66873,67884
8 8200 0	Lucas Remy Ford INA	54160827 54207267,-268 UMB 113 943 6831,-7305,-8527 9441879 D20Z-10A304-A BCH-06604 closed	17.00 / 23.80 x 17.40 (closed)	A127 24145A,-D,24156A,-D,24157A,-D 24158A,-D,24161A.-D 10SI,12SI,15SI,17SI,27SI 1047 9823,9825-9827,9832-9834, 9858,9860,9862,9864-9869
8 8275 0	Bosch INA	2 000 910 004 SCE 1210 B	19.05 / 25.40 x 15.88	0 001 510 001-003,005,008-010, 017-041 0 001 512 001,002
8 8277 0	Lucas Remy INA	54207451 UMB 115,129 9437 221,-222 BCH-06604 open SCH FC-65177	17.00 / 23.80 x 17.40 (open)	A127 w. vacuum pump 24188A,-C,24230A,-B,24246A, 24256A,-C,24273A,24274A, 24277A,24294A 10DN series 1100 619,653,654,721,722,732, 735,773,806,821,822,887

NADELLAGER
NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 8305 0	Melco	S933P65270	12.00 / 17.00 x 12.00	M2T92071,-A,92171,92172,-A
			TLA121712	92271,-A,95071
8 8314 0	Melco	S933P70605,-70669	10.00 / 15.00 x 15.00 (closed)	M0T83481,90781
			TLAM101515UE09	M1T73681,74781,-A,74785,
				90081,-A,
				M2T24081,24082,24181,24281
				25081,25082
8 8663 0	Bosch	2 000 910 015	16 / 23.85 x 18.95	0 001 372 001-008
	INA	F-220469.1		
8 8664 0	Bosch	2 000 910 011	16.00 / 20.70 x 19.00	0 001 370 001,002
	INA	SCE 1012		0 001 371 001
				9 000 453 029,067,068
8 8665 0	Bosch	2 000 910 012	22.00 / 28.00 x 16.00	0 001 370 001-004
	Ford	BE9H-11052-B		0 001 371 001,004-010,012-020
		TN49-11339-A		0 001 372 001-008
	Hitachi	2114-1411		9 000 453 029,064-068
	INA	HK 2216 2RS		
		F-230978		
8 8668 0	Valeo	185 467	10.00 / 14.00 x 12.00	D7G11
	INA	HK 1012 RS		
8 8671 0	Hitachi	2130-1451	22.00 / 28.00 x 12.00 (closed)	
	INA	HK 2212		
8 8672 0	INA	HK 1412	14.00 / 20.00 x 12.00 mm	
8 8673 0	INA	HK 0810	08.00 / 12.00 x 10.0	
8 8674 0	INA	HK 0808	08.00 / 12.00 x 08.00	
8 8675 0	Bosch	1 000 917 006	09.00 / 13.00 x 10.00	0 001 107 031,032,049,
	INA	HK 0910		415,429,431,432,437
				F 000 CD0 202
				F 002 GD20 485
8 8677 0	Valeo		26.10 / 33 x 13.70	D7E S5
	INA	F-123861		
8 8681 0	Ford	SCE 116	17.46 / 22.23 x 09.5(closed)	
	Melco	BA 116 Z		M2T80582,-87671
NEW 8 8683 0	Remy	9441512	22.2 /28.6 x 9.4	PG260F1
		10483523		2102 0892,0893,1366,1648,
	INA	SCE 146B		9000 0700,0751,0756,0758
8 8684 0	Remy	3472455	11.50 / 17.50 x 16.50 (closed)	3472 002,014,018,020-024,
		7982870		026,028,032,033,037,
	INA	F-56769		038,042,048-053,057,
				058
8 8693 0	Bosch	2 000 910 005	33.00 / 48.00 x 15.00	0 001 410 015-017,019,021,022,024,
	INA	F-91916		029,032,034,035,037,041,
				043,044,046,049,050,052,
				058,061-063,065,067-069,
				073,075,077,078,083,
				086-092,094,098,101,102,
				104-106,109,111,113,
				115-118
				0 001 411 001,002,004-007,009-032,

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				035,036 0 001 413 001,003-014,017,018 0 001 414 001-011,013-022 0 001 415 001-014,016-024,027 0 001 416 001-019,021-033,035-040, 042-086 0 001 417 001-020,023-031,033-038, 040-048,050-069,071-080 0 001 418 001-017 9 000 084 007-026,085
8 8829 0	Hitachi Nissan INA	2250-1451 23341-V0600 HK 1512	15.00 / 21.00 x 12.00	S13-33,33A,33B,37,37B, 38B,41,41A,45A,45B, 68,86 S25-110F,110G,110L, 125A,125B,132C
8 8981 0	Bosch Ford INA	6 033 AC 093 F7RU-11448-EA HK 1212	12.00 / 18.00 x 12.0	
8 8982 0	Melco INA	 HK 1414 2RS	14.00 / 20.00 x 14.00 (closed)	M1T93171 ZC
8 8983 0	Bosch INA	2 000 910 002 2 000 910 009 HK 1816	18.00 / 24.00 x 16.00	0 001 410 015-017,019,021,022, 024,029,032,034,035, 037,041,043,044,046, 049,050,052,058,061-063, 065,067-069,073,075,077, 078,081,083,086-092,094, 098,101,102,104-106,109, 111,113,115-118 0 001 411 001,002,004-007,009-032, 035,036 0 001 413 001,003-014,017,018 0 001 414 001-011,013-022 0 001 415 001-014,016-024,027 0 001 416 001-019,021-033,035-040, 042-083 0 001 417 001-020,022-031,033-038, 040-048,050,051,053-069, 071-080 0 001 418 001-017 9 000 084 007-026
8 8986 0	Hitachi Nissan INA	2130-3451 23338-V0700,-V0702 HK 2012	20.00 / 26.00 x 12.00	S13-49A
8 8987 0	INA	HK 2220	22.00 / 28.00 x 20.00	
NEW **8 8989 0**	Bosch INA	 HK 2512	25/32 x 12 mm	0 001 241 003,007,009,014,016, 019-021,023 HEF95-L 24V(R)

7

REPARATURSÄTZE UND BUCHSENSÄTZE

REPAIRKITS AND BUSHING-KITS

KITS DE REPARATION ET JEUX DES BAGUES

IKA-No.	Original	Qty.	References	Unit-Nos.
4 1890 1	Bosch Repair Kit for Gear		1 006 200 050 9 001 140 362,391 9 001 337 069 9 003 336 268,285 pin-diameter 8.00 mm with 2 bushings	0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
4 2238 1	Bosch		1 007 010 079 1 000 500 591 Repair Kit Seal + Oil Seal	0 001 120 400-411 0 001 121 001,002,006-011,017-019, 022-035 402,403,408-413,418-421, 429,430,433-436 0 001 122 201,202,400-403 0 001 123 001-003,012-021,024-029, 036-039,044,045 0 001 124 001-008,011-015,018-027 0 001 125 001-013,016-019,021,022, 025,031,032,035,036,039, 040,042,043,046-049, 051-060 501-508,511-514,517-522, 600-602,605,607-610,617,618
NEW **4 2260 1**	Bosch		Outer Gear Kit 107-02	Gear 1 006 200 058,103,112,114, 155,923 0 001 107 017,018,044,045,054,055, 067-069,073,074,076 0 001 108 162,172,178,180,182,186, 188,204 0 001 137 001-006,011,012
4 2261 1	Bosch		Outer Gear Kit 109/125	Gear 1 006 200 096,099,1117,126,166 0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042,048, 200,252,253 0 001 110 112 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606
4 2263 1	Bosch		Outer Gear Kit 108	Gear 1 006 200 014,017,048,049,057,059,061, 070,071,098,104,111,132-134, 900,903 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
4 2264 1	Bosch		Outer Gear Kit 107-02	Gear 1 006 200 083,087,105,125,145 0 001 107 031,032,037,048,049,059,082 0 001 108 190 0 001 115 001,002,007,012,015,024 F 005 M00 006,013

IKA-No.	Original	Qty.	References	Unit-Nos.
NEW **4 2272 1**	Bosch		Gear Kit 110	Gear 1 006 200 016,019,034,039,055, 077,090,155,163,184, 902,904,908,909 F 010 AL1 030 0 001 109 040 0 001 110 017,026,028-030,039,041,048, 049,053,054,059,061,062, 069-073,075-079,081,084-087, 089,091,095,105-107,113,114, 118,119,122,999 F 010 AL0 101
4 2273 1	Bosch		Gear Kit 108	Gear 1 006 200 014,017,048,049,059,061, 071,098,104,111,134, 900,903 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
4 2274 1	Bosch		Geart Kit 107-02	Gear 1 006 200 083,087,125,145 0 001 107 031,032,037,048,049,059,082 0 001 108 190 F 005 M00 006,013
4 2275 1	Bosch		Gear Kit 109/125	Gear 1 006 200 096,099,1117,126,166 0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042,048, 200,252,253 0 001 110 112 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606
NEW **4 2276 1**	Bosch		Gear Kit 124/125	Gear 1 006 200 088,100,109,118, 122,143 0 001 124 001-006,011-015 0 001 125 003,010,011,025,057-060 F 002 G20 658
NEW **4 2277 1**	Bosch		Gear Kit 107-01	Gear 1 006 200 058,103,114 0 001 107 017,018,044,045,054, 055,067-069,073,074,076
NEW **4 2279 1**	Bosch		Gear Kit 115	Gear 1 006 200 105 0 001 115 001,002,007,012,015,024
4 4601 1	Bosch	1 1 1	2 000 301 036 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 106 018,020 0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046 047,058,061,062,067,076,083,089,094,095,103-107 0 001 108 003,004,018-021,024,025,030,033,035,037-040,042-044, 047,050,053,056,057,059,060,063,064,071,075-079, 081-084,087,088,091-093,096-098,100,106,107,109-111, 117-119,121,146,149,151,152,154,158,166,171,173,180, 182,184,186,189,196,203 0 001 109 001-003,006-008,017,018,028,029,047,049 0 001 110 003-005,007,008,011-013,016-019,024-027,031-033, 047-049,060-063,068-072,079,080,082,084-087,089,091, 092,095,102,111,114,118,119,124,125,999 0 001 111 003,005 0 001 115 001,002,007,012,015,027

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4602 1	Bosch	1 1 1	1 000 301 012 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 107 012,017,018,024,034,037,045,048,054,055,060,068,069, 072-074,090,096 0 001 108 001,002,009,010,026-029,048,054,061,062,065,072,073, 080,089,090,101,102,108,126,131,136,137,144,159, 208,209,211,212,225 0 001 109 009,012,057,058,202,203 0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120 0 001 111 004 0 001 115 042
4 4603 1	Bosch	1 1 1	1 000 301 021 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 107 007,008,020,052,053, 0 001 108 005,013,032,045,046,066,070,094,095,105,127,135 0 001 110 001,002,014,015,057,058,076,077,098,099,133,134
4 4604 1	Bosch	1 1 1	9 001 140 384 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 107 056,100,101,108 0 001 108 115,145,157,168,169,190 0 001 109 014,015,023,025,030,031,033-036,040,041,042,045,046, 048,052,055,061-063,068-070,200,201,250,252,253,256, 262-274,284,285,300-303,306,307,313,321,322,332-337, 342-345,355-360,365,366,369-371,375-378,393-396,399, 400-406,409,410 0 001 110 043,044,051,053,054,064,065,088,104,105,110,112,113, 130-132 0 001 111 002 0 001 115 047,048,074,075,080,081 0 001 139 001,002,005,006,011-022,025,026,029,030,037,038, 041-046,049,050,053,054 0 001 149 400,401
4 4606 1	Bosch	1 1 1	1 000 917 003 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 107 030,059,064,075,078-080,082,088,102 0 001 108 068,069,103,104,123,134,148,150,153,160,167,170,172 181,197,199,202,204,205,213,214,217,218,222-224 995-999 0 001 115 006,008,020,021,025,039-041,045,046,049-054,056, 057,068-073,076-079,082-085,096-105 0 001 148 003,004
NEW **4 4608 1**	Bosch	1 1 1	1 000 301 083 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 106 011,012,014-017,019,022-024 0 001 107 066,077,091-093,097,098,109
4 4610 1	Bosch	1 1 1	1 000 917 004 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 107 019,027,028,029,038,039,041,043,063,085,087 0 001 108 132,133,138,139,140,141,155,156,176-178,183, 188,206,207,210 0 001 115 009,016,017,031,032,035
4 4611 1	Bosch	1 1 1 1	2 000 301 036 DE 1 000 301 056 CE 1 000 301 054 PG 1 000 301 055 Shaft	0 001 106 018,020 0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046 047,058,061,062,067,076,083,089,094,095,103-107, 0 001 108 003,004,018-021,024,025,030,033,035,037-040,042-044, 047,050,053,056,057,059,060,063,064,071,075-079, 081-084,087,088,091-093,096-098,100,106,107,109-111, 047-049,056,060-063,068,069,072,082,084-087,089,999 117-119,121,146,149,151,152,154,158,166,171,173,180, 182,184,186,189,196,203 0 001 109 001-003,006-008,017,028,029,047,049 0 001 110 003-005,007,008,011-013,016-019,024-027,031-033, 047-049,060-063,068-072,079,080,082,084-087,089,091, 092,095,102,111,114,118,119,124,125,999 0 001 111 003,005 0 001 115 001,002,007,012,015,027 same application as 4 4601 1 with additional shaft-bushing
4 4612 1	Bosch	1 1 1 1	1 000 301 012 DE 1 000 301 056 CE 1 000 301 054 PG 1 000 301 055 Shaft	0 001 107 012,017,018,024,034,037,045,048,054,055,060,068,069, 072-074,090,096 0 001 108 001,002,009,010,026-029,048,054,061,062,065,072,073, 080,089,090,101,102,108,126,131,136,137,144,159, 208,209,211,212,225 0 001 109 012,057,058,202,203 0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120 0 001 111 004 0 001 115 042 same application as 4 4602 1 with additional shaft-bushing

	IKA-No.	Original	Qty.	References		Unit-Nos.
	4 4613 1	Bosch	1	1 000 301 021	DE	0 001 107 007,008,020,052,053
			1	1 000 301 056	CE	0 001 108 005,013,032,045,046,066,070,094,095,105,127,135
			1	1 000 301 054	PG	0 001 110 001,002,014,015,057,058,076,077,098,099,133,134
			1	1 000 301 055	Shaft	same application as 4 4603 1 with additional shaft-bushing
	4 4616 1	Bosch	1	9 001 140 384	DE	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
			1	9 001 140 347	CE	0 001 219 001,004,007-017,112
			1	4 4052 0	PG	6 033 AB1 J00
			1	4 4057 0	Shaft	9 000 331 201,203 9 000 331 401,402,405-409,411-415,417-428,430,433 same application as 4 4618 1 CE bushing = cylindric bushing
	4 4618 1	Bosch	1	9 001 140 384	DE	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
			1	1 000 322 005	CE	0 001 219 001,004,007-017,112
			1	4 4052 0	PG	6 033 AB1 J00
			1	4 4057 0	Shaft	9 000 331 201,203 9 000 331 401,402,405-409,411-415,417-428,430-433 same application as 4 4616 1 CE Bushing = collar bushing
NEW	**4 4619 1**	Bosch	1	9 001 140 384	DE	0 001 218 602,620 703,710-712,715,719,722,725,728,730,735-738, 740-742,754,758,759,763-768,770-772,774-777, 805,808,809,812,814-822
			1	9 003 330 317	CE	
			1	4 4052 0	PG	
			1	4 4057 0	Shaft	
	4 4620 1	Bosch	1	1 000 390 003/004	DE	0 001 121 001-003,006-011,016-019,024-031,034,035
			1	1 000 301 056	CE	0 001 123 001
			1	1 000 301 054	PG	0 001 124 001-008,011-015,022,023 0 001 125 001-013,021,022,025,031,032,035,036,039, 040,042,043,051,052, 501-504,507,508,511-514,517,518 602
NEW	**4 4621 1**	Bosch	1	1 000 917 006	DE	0 001 107 415,429,431,432,437
			1	1 000 301 091	CE	0 001 108 444
			1	1 000 301 054	PG	F 002 G20 485
NEW	**4 4622 1**	Bosch	1	1 000 917 005	DE	0 001 107 070,071
			1	1 000 301 056	CE	0 001 108 113,114,174,175,200,201,220,221
			1	1 000 301 054	PG	0 001 109 011,021,022,026,043,056,059,060,064-067, 204,205,258-261,275,276,280,281, 304,305,310,311,319,320,324,325,328-331, 340,341,361-364,379,380,387-392,397,398, 407,408 0 001 110 029,030,056,066,067,100,101,106,107,122, 123,126-129,136,139 0 001 115 022,023,088,089,092,093 0 001 139 023,024,031,032
NEW	**4 4623 1**	Bosch	1	1 000 917 004	DE	0 001 106 403,404,409,410
			1	1 000 301 091	CE	0 001 107 407,410,417,418,421,422,456,499-502
			1	1 000 301 054	PG	0 001 108 400,405,406,408
NEW	**4 4624 1**	Bosch	1	1 000 917 007	DE	0 001 121 022,023
			1	1 000 301 056	CE	0 001 124 020,021
			1	1 000 301 054	PG	0 001 125 016-019,046-049,053,054, 600,601,605-608
	4 4625 1	Bosch	1	1 000 301 012	DE	0 001 114 003,004,015,016
			1	1 000 301 022	IM	
			1	1 000 301 062	CE	

	IKA-No.	Original	Qty.	References	Unit-Nos.
	4 4626 1	Bosch	1 1 1	1 000 301 021 DE 1 000 301 022 IM 1 000 301 062 CE	0 001 114 005,006
	4 4627 1	Bosch	1 1 1	2 000 301 036 DE 1 000 301 022 IM 1 000 301 062 CE	0 001 112 010,011 0 001 114 008-010,014,017,020-022
NEW	**4 4631 1**	Bosch	1 1	1 000 301 012 DE 1 000 301 062 CE	0 001 112 005,006,013,014,032
NEW	**4 4632 1**	Bosch	1 1	1 000 301 021 DE 1 000 301 062 CE	0 001 112 003,004,038,039 0 001 113 011,012
NEW	**4 4633 1**	Bosch	1 1	2 000 301 023 DE 1 000 301 062 CE	0 001 112 021,022,027,028,044,045 0 001 113 001,002,007,008,013,014 F 000 AL0 332
NEW	**4 4634 1**	Bosch	1 1	2 000 301 036 DE 1 000 301 062 CE	0 001 112 008,009,012,015,016,020,023,024, 034,036 0 001 113 003-006
NEW	**4 4635 1**	Bosch	1 1	1 000 917 004 DE 1 000 301 056 CE	0 001 112 017,018,029,033,037,041 0 001 113 009,010,015,017 F 000 AL0 327
NEW	**4 4636 1**	Bosch	1 1 1	1 000 917 009/010 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 122 201,202 0 001 123 002-005,012-021,024-027,036-039,044,045 0 001 124 026,027 0 001 125 055-060,613,614,619,620 0 001 142 001-006 0 001 145 001,002 0 001 153 007-010
NEW	**4 4637 1**	Bosch	1 1 1	1 000 917 010 DE 1 000 301 091 CE 1 000 301 054 PG	0 001 120 400-411 0 001 121 410,411,439,440
	4 4640 1	Bosch	1 1 1	2 000 301 019 DE 2 000 301 026 IM 2 000 301 019 CE	0 001 362 005-007,011-017,021-025, 033,037 0 001 363 101 JF 12/24 V
NEW	**4 4641 1**	Bosch	1 1 1	2 000 301 019 DE 2 000 301 041 IM 2 000 301 043 CE	0 001 362 034-036,039-043,045,046,048-050, 053,057-062,067,071-076,079,081, 084-086,088-092,094,095,098,100, 102,103,105,305,307,308,311,313, 314,320,322,323,325,326,329,330, 602,603,606,607,700-705 0 001 363 103-105,107-117,122,124-126,128, 130 0 001 366 001-006,009-015,017-022,024,025, 027-029 0 001 367 040,043 0 001 369 014,020 JF 12/24 V
	4 4679 1	Bosch	1 1	2 000 301 015 DE 2 000 301 016 CE	0 001 410..../411... 0 001 414.... - 417.... KB 24V
	4 4680 1	Bosch	1 1	2 000 301 036 DE 1 000 301 011 CE	0 001 208 200-202,206-208,209,211,216,217,224-229,232, 233,400,405,422,423,501,507,510,515-518,526,528, 705,707,717 0 001 211 207,215,229,241,242,246,512,514,535,536 EF 12 V

	IKA-No.	Original	Qty.	References	Unit-Nos.
	4 4681 1	Bosch	1 1	1 000 301 012 DE 1 000 301 001 CE	0 001 311 030,031,101,103,105-110,112-114,118,120-126, 128,130-143,146,147,149,151,152 GF 12V
	4 4682 1	Bosch	1 1	2 000 301 023 DE 1 000 301 011 CE	0 001 157 024,025,028 0 001 208 709-711,713,714 0 001 211 500-505,510 0 001 212 205 EB/EF 12 V
	4 4683 1	Bosch	1 1 1	2 000 301 000 DE 2 000 301 041 IM 1 900 301 420 CE	0 001 359.... 0 001 360.... JD 12 V / 24 V
	4 4684 1	Bosch	1 1 1	2 000 301 000 DE 2 000 301 041 IM 2 000 301 043 CE	0 001 362 051,052,063,064,082,093, 097,104,300-304,306,309, 310,315-319,324,327,328,332 0 001 363 118,121,127 0 001 364 300,301,400,402 0 001 366 008,016,026 0 001 367 001,002,004-018,020-035, 037,039,041,042,044,045, 047-050,052,055,056,058, 059,062,064-082,300-303 0 001 368 001-029,032-035,037-040, 042-052,054-083,085-087, 300-302,304-307,309-313, 315-321 0 001 369 001,002,005,006,013,015-018, 021-023,200,201 JD 24 V JF 12/24 V
NEW	**4 4685 1**	Bosch	1 1	1 000 301 021 DE 1 000 301 001 CE	0 001 208 411,412,46,418,425,426,428 0 001 211 221,223,224,251,993 EF 12 V
	4 4686 1	Bosch	1 1 1	1 000 301 021 DE 1 000 301 022 IM 1 000 301 021 CE	0 001 314 012,013 0 001 317 009,010,014,015,018-021 GF 12 V
	4 4687 1	Bosch	1 1 1	1 000 301 011 DE 1 000 301 022 IM 1 000 301 001 CE	0 001 311 150 0 001 314 001-006,008-011,017,018,024-033, 035-038,040-043 0 001 315 002,004 0 001 316 003-009 0 001 317 005-008,011-013,016,017,022,023 025
	4 4688 1	Bosch	1 1 1	1 000 301 011 DE 2 000 301 026 IM 2 000 301 043 CE	0 001 362 038,047,069,070,077,078,083 600,601,604,605 0 001 363 106,119,120,123 0 001 369 004 JF 12/24 V
	4 4689 1	Bosch 2 007 010 121	1 1 1 2	2 000 301 000 DE 2 000 301 041 IM 2 000 301 043 CE 2 000 301 044 SD	same application as 4 4684 1 with 2 additional bushes for starter drive
	9 1800 1	Bosch BSX 102	2 1 1 1	1 000 301 000 2 000 301 026 2 007 014 053 2 007 010 007	0 001 362 ... JF-Starter 12 Volt

IKA-No.	Original	Qty.	References	Unit-Nos.
9 1801 1	Bosch	1	1 007 014 100	0 001 354 ...
		1	2 000 301 000	JD-Starter
		1	2 000 301 009	12 Volt
	BSX 12	1	2 007 010 007	
9 1803 1	Bosch	1	1 000 301 001	0 001 312-317 ...
		1	1 007 014 138	GF-Starter
	BSX 140	1	2 000 301 036	12 Volt
9 1804 1	Bosch	1	2 000 301 015	0 001 410 ... 411
		1	2 000 301 016	414 ... - 417
		1	2 000 105 040	KB-Starter
		2	2 000 109 008	24 Volt
		1	2 000 210 014	
		1	2 000 212 000	
		2	2 000 500 084	
		1	2 003 315 002	
		4	2 003 450 015	
		1	2 004 650 030	
	BSX 148	1	2 007 014 070	
9 1805 1	Bosch	1	2 007 014 073	0 001 369 ...
		1	2 000 301 000	JF-Starter
		1	2 000 301 041	12 Volt
		1	2 000 301 043	
	BSX 163-164	1	2 007 010 007	
9 1806 1	Bosch	1	1 900 301 420	0 001 360 ...
		1	2 000 301 000	JD-Starter
		1	2 000 301 041	24 Volt
		1	2 007 010 007	
	BSX 100	1	2 007 014 049	
9 1807 1	Bosch	1	1 900 301 420	0 001 359 ...
		1	2 000 301 000	JD-Starter
		1	2 000 301 041	12 Volt
		1	2 007 010 007	
	BSX 96	1	2 007 014 052	

IKA-No.	Original	Qty.	References	Unit-Nos.
9 1808 1	Bosch	1	2 000 301 000	0 001 362 ...
		1	2 000 301 041	0 001 366 ...
		1	2 000 301 043	JF-Starter
		1	2 007 010 007	12 Volt
	BSX 137-143	1	2 007 014 065/068	
9 1809 1	Bosch	1	2 000 301 000	0 001 367 ...
		1	2 000 301 041	JF-Starter
		1	2 000 301 043	12 Volt
		1	2 007 010 007	
	BSX 134-144	1	2 007 014 062	
9 1810 1	Bosch	1	2 000 301 000	0 001 368 ...
		1	2 000 301 041	JF-Starter
		1	2 000 301 043	24 Volt
		1	2 007 010 007	
	BSX 135-145	1	2 007 014 063	
9 1811 1	Bosch	1	2 000 105 040	0 001 410 ... 411
	1 987 010 000	2	2 000 109 008	414 ... - 417
		1	2 000 210 014	KB-Starter
	w. needle baring	1	2 000 212 000	24 Volt
	w/o. brushes	1	2 000 301 015	
		1	2 000 301 016	
		2	2 000 500 084	
		1	2 000 910 005	
		1	2 003 315 002	
		4	2 003 450 015	
		1	2 004 650 030	
9 1812 1	Bosch	1	Kit 9 1811 1	0 001 410 ... 411
	w. BSX 148	1	2 007 014 070	414 ... - 417
	410/414			KB-Starter
				24 Volt
9 1813 1	Bosch	1	Kit 9 1812 1	0 001 410 …, 411…
		1	0 331 101 006 Relais	0 001 414 …, 417…
		1	0 331 450 001 Relais	KB-Starter
	w. brush set	1	2 006 401 527 Clutch	24 Volt
	BSX 148			

IKA-No.	Original	Qty.	References	Unit-Nos.
9 1814 1	Bosch	1	Kit 9 1811 1	0 001 416 ...
	w.brush set	1	2 007 014 079	0 001 417 ...
	BSX 172-173			KB-Starter
				24 Volt
9 1815 1	Bosch	1	2 000 105 040	0 001 417 ...
		2	2 000 109 008	KB-Starter
		1	2 000 210 014	24 Volt
		1	2 000 212 000	
		1	2 000 301 015	
		1	2 000 301 016	
		2	2 000 500 084	
		1	2 003 315 002	
		4	2 003 450 015	
	416/417	1	2 004 650 030	
	w. brush set	1	2 007 014 079	
	BSX 172-173			
9 1879 1		1 Kit	9 1814 1	0 001 416 ..., 417...
		1 Relais	0 331 101 006	
	BSX 172-173	1 Relais	0 331 450 001	
	w. relais+clutch	1 Clutch	2 006 401 527	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4575 1	FBN-34	1	Denso 949103-2020	Honda 31209-590-004
	FBN-33	1	949103-3160	31210-PA0-006
				Subaru 49242-7002
4 4576 1	FBN-39	1	Denso 94103-3850	Daihatsu 28271-87501
	FBN-38	1	94103-3840	28271-87502
				Honda
				Subaru
				Suzuki 31152-51A10
				31172-51A10
				Toyota 90099-10158
				90099-10157
4 4577 1	FBN-14	1	Denso 028403-0081/82	Daihatsu 28111-51011,-87501
	FBN-17	1	949103-0390	28131-20010
				Mazda 0290-24-841
				0114-18-557
				Subaru 39222-3902
				89242-4102
				Suzuki 31152-63210
				31172-55010
				Toyota 28111-51011
				28131-20010
				90099-10028
4 4579 1	FBN-14	1	Denso 028403-0082	Daihatsu 28111-87501
			028403-51011	28131-87701
	FBN-33	1	949103-3160	Isuzu 9-82114101-0
				Mazda 0290-24-841A
				Mitsubishi MD604062
				Subaru 39222-3902
				49242-7002
				Suzuki 31152-63210
				31172-78310
				Toyota 28111-51011
				90099-10134

	IKA-No.	Original	Qty.	References	Unit-Nos.
	4 4573 1	FBH-32	2	2114-5352	Nissan 23338-N3300
					23338-42L60
					Subaru 49242-1001
	4 4574 1	FBH-31	1	2114-4661	Nissan 23319-N3300
				2114-5661	23338-N3300
		FBH-32	1	2114-5352	
	4 4584 1	FBH-32	1	Hitachi 2114-5352	Hitachi S114-850
		no	1	2114-44101	Opel Astra D
		no	1	2114-1353	Corsa D
NEW	**4 4585 1**	FBH 7	1	Hitachi2120-4401	Isuzu 9-8211-2134-0
		FBH 38	2	2130-1310	5-8119-012-0
				2830-2601	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4697 1	Lucas	1	11.16/15.85-26.2x12.7	M 90
	60600735 TCB 116	1	12/15x14.3	
4 4698 1	Lucas	1	54 257 833	M 45 / M 50 / M 127
	60600027 TCB 118	1	54 256 098	
		1	54 255 966	
		1	54 256 151	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4646 1	Marelli / Fiat	1 1	4 007 952 / 747 057 10 4 047 985 / 748 661 40	632 223 01,04,31 224 05,08,09,30,38 225 01,02 226 02 227 00,01,03,30 E 100
4 4670 1	Marelli / Fiat	1 1	748 811 10/748 878 90 4 114 442 / 748 603 80	632 207 00,01,02,05,06,21,23,24,31,43 632 208 03,04,06 632 209 00,01,31 E84
4 4671 1	Marelli / Fiat	1 1 1	9 927 787 / 723 625 10 9 927 789 / 723 629 10 9 927 796 / 723 650 10	632 167 01-04,06,08,10,25-27,31,33,40,41,47,48,63 MT67 24V
9 1891 1	Marelli / Fiat MASX 25-26	2 2 2	MAS 25 MAS 26 Bushings	63217126,-48,-54,-56,-58,-80,-86 63217407, MT74
9 1892 1	Marelli / Fiat MASX 21-22	2 2 2	2 x MAS 21 2 x MAS 22 2 x Bushings	63216731,-41, MT67
9 1896 1	Marelli / Fiat MASX 15-16	2 2 2	MAS 15 MAS 16 Bushings	63216827,-33,-59,-76,-98 MT68
9 1897 1	Marelli / Fiat MASX 19-20	2 2 2	MAS 19 MAS 20 Bushings	63217225 MT72
9 1898 1	Marelli / Fiat MASX 17-18	2 2 2	MAS 17 MAS 18 Bushings	63217118,-21,-25,-38,-47,-73, MT71
9 1902 1	Marelli / Fiat	1 1 2	JS 29 JS 30 Bushings	63221830,-32,-34,-90,-92 E95 12 Volt

IKA-No.	Original	Qty.	References	Unit-Nos.
9 1903 1	Marelli / Fiat	3	JS 22 / 26	63221430,33-36,38
		1	JS 25 / 27	63221530,32,33,36,38
		2	Bushings	63221630,32,35,36,39
				63221731
				E95
				12 Volt

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4570 1	FBM-39	1	Melco M409C12970	Nissan 23319-M8011
	FBM-45	1	M409C32401	23338-01N10
			M409X32571	Mitsubishi MD607892
				MD618334
4 4571 1	FBM-36	1	Melco M409C12670	Nissan 23319-M8011
	FBM-38	1	M409C32370	23338-M8011
4 4572 1	FBM-36	1	Melco M410D12670	Mazda N221-24-715
			M409C12670	0222-24-741
	FBM-18	1	M409C32201	Mitsubishi MD607741
			M410D30171	MD602213
			M648C32201	Nissan 23319-M8010
				23338-P0610
4 4581 1	FBM-39	1	Melco M409C12970	Mazda E356-18-X01
	FBM-38	1	M409C32370	E356-18-X81
				Mitsubishi MD607892
				MD607898
				MD607903
				Nissan 23319-M8011
				23338-M8011
4 4587 1	FBM-16	1	Melco M410D11271	Mazda 0426-24-715,-A
			M410D12171	0222-24-741
	FBM-18	1	M409D32201	Mitsubishi MD602213
			M410D30171	MD602686
			M409C32201	Nissan 23319-M0110
			M648C32201	23338-P0610

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4669 1	Remy	2	3471553 / 3471069	3471 141,143,144,150,155,169,170 Opel

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4645 1	Valeo	1	105 464	D9R
		1	105 465	
		1	105 715	
4 4647 1	Valeo	1	20/24x5.0 IM	D7R8/9/12
		1	7/10x6.1 DS	
		2	185 951 CE/DE	
4 4648 1	Valeo	1	20/24x5.0 IM	D7R5
		1	7/10x6.1 DS	
		1	185 936 DE	
		1	185 951 CE	
4 4649 1	Valeo	1	185 951 DE	D7R1-4,11,15
		1	97.726 CE	
		1	20/24x5.0 IM	
		1	7/10x6.1 DS	
4 4650 1	Valeo	1	12/15x10 DE	D6RA 4 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x8 CE	
		1	6.1/9.1x 7 DS	
4 4651 1	Valeo	1	12/15x10 DE	DR6RA 3 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x 8 CE	
4 4653 1	Valeo PR	1	30828	D11E163,164,169,172,173,176,177,178,
	182 140	1	50488	187,188,192,272
		1	51914	
		1	96485	
4 4654 1	Valeo PR	1	55330	D13E76,77,86 TE,87 TE,90 TE,93 TE,94 TE,
	182 158	1	71381	96 TE,107 TE,109 TE,110 TE,117 TE,118 TE
		1	74330	
4 4655 1	Valeo	1	46388	D15E29,TE,30,TE
	182 164	1	46389	
		1	46390	
4 4656 1	Valeo PR	1	30828	D11E184,189,191,195,197,198
	182 142	1	51914	
		1	95654	
4 4657 1	Valeo PR	1	30828	D11E142,143,153,T,154,155,156,158,159,160,
	182 139	1	47852	165,167 T,170,180,202
		1	95654	
		1	96485	
4 4658 1	Valeo PR	1	30828	D11E58,69,75,78,84,92,T,108,118,119,T,120,
	182 136	1	47852	131,137,139,T,141,144,146,148,161,193
		1	48499	
		1	50488	
4 4659 1	Valeo PR	1	51914	D10E85,87,88,89,90,92,921
	182 096	1	97726	
		1	104164	
4 4662 1	Valeo PR	2	51914	D8E55,T,56,60,74,81-83,85-88,95-99,104-107,110-117,119-124,
	182 061			129-134,136,137,139-142,144,147,148,151,152,154
				D9E7,9,11,12,14,15,18,19,20,26,27,28,34,35,37,41
				D10E59,69,75,81,83

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4663 1	Valeo	1	105464	D9R
	182 050	1	105715	
4 4674 1	Valeo Duc.	2	601 476	6035 F,6045 A,B,6081 E,F
	583348			532000 A,B,532001 A,B,532005 A,532007 A,
	Paris Rhone			532011 A,532012 A,B,532017 A,532020 A,B,
	182063		097 726	532021 A,532023 A,532024 A,B,532025 A,B,
				532026 A,532027 A,533000 A,533001 A,
				533002 A,533003 A,533004 A,534002 A,
				534 003 A,B,C - 534057 A
				D9E31,32,36,38-40,43-46,48-57,61-100,771,772
4 4676 1	Valeo Duc	1	068 763	6056 H,J, 6092 B, 6099 C,D, 6109 F,G,H,K,L, 6160 D,E,F,G,
	583 372	1	068 888	6169 A,B, 6177 A,C, 6192 B,C,J,K,L, 6193 A,B, 6207 A,B,C,
		1	601 476	6232 A, 6233 A
4 4677 1	Valeo Duc	1	068 754	6231 C, 6239 A,B, 532002 A,B,C, 532003 A,B, 532004 A,B,C,
	583 376	1	601 476	532008 A,B,C, 532009 A,B, 532010 A,B, 532014 A, 536018 A,
		1	602 039	536001 A
4 4678 1	Valeo Duc	2	068 754	6178 A,B,C,D, 6200 A,B, 6230 A,B, 538000 A,B,C, 538002 A,
	583 379	1	068 888	538003 A, 538005 A,B, 538006 A
9 1367 1	Valeo	1	PS 55	D8E42,-69,85
	Paris-Rhone	1	PS 76	D8L11,-19,-20,-39
		2	Springs PF 1156 (R7)	
		2	Bushings	
9 1368 1	Valeo	2	PS 115	D11E75,-78,-84,-123,-140,
	Paris Rhone	2	PS 116	-144,-163,-164,-170,-180
		4	Springs PF 1156	
		4	Bushings	
	PSX 115-116-121			
9 1370 1	Valeo	2	PS 129 C	D9E31,-40,-43-46,-49-55,
	Paris Rhone	2	PS 129 P	-62,-74,-75,-77,-79,-85,
		4	Springs PF 1313	-87,-95,-100,-102,-104,
		4	Spring Caps PC 1313	-111,-772-774
		2	Bushings	
	PSX 129			
9 1371 1	Valeo	2	PS 98 KS/0	D11E135,-148,-156,-161,
	Paris Rhone	2	PS 98 S	-172,-177,-184,-187,-188,
		4	Springs PF 1156	-191,-192,-195,
		4	Bushings	
	PSX 132			
9 1372 1	Valeo	1	PS 133	D9E36,-38,-39,-48,-56,
	Paris Rhone	1	PS 133 C	-57,-61,-64,-66,-68,-69,
		2	Springs PF 1313	-70,-76,-78,-81,-82,-83,
		2	Spring Caps PC 1313	-92,-93,-94,-101,-107,-108,
		2	Bushings	-109,-110,-113,-114,-123,
	PSX 133			-124,-125,-127,-129

IKA-No.	Original	Qty.	References	Unit-Nos.
9 1374 1	Valeo	2	PS 115	D8E-22,-31,-41,-50,-57,-58,
	Paris Rhone	2	PS 116 K/0	-60,-64,-66,-70,-71,-75,-76,
		2	Springs PF 1156	-81-84,-86-88,-94-98,-102,
		3	Bushings	-104,-106,-108,-109,-112,
	PSX 115-116			-113-115,-117-126,-129,
				-132-134,-136,-137,-139,
				-140,-142,-144,-147,-151,
				-152,-158
				D8L25,
				D9E7,-9,-11-22,-26,-27,-28,
				-34,-35,-37,-41
				D10E48-50,-53,-54,-57,-63,
				-64,-65,-76,-80,-84,
9 1376 1	Valeo	2	US 50	6083A-D,-99A-D,6109A-L,
	Ducellier	2	US 51	6060A-G,-69AB,-77ACD,-92A-L,
		4	Springs UF 5051 (R4)	6093AB
		3	Bushings	6207A-C,-29AB,-30AB,-32A,-33A
	USX 50-51(4)			538 000ABC,-2A,-3A,5AB,-6A
9 1377 1	Valeo	1	US 73/0	6035EF,-81DEF,6155C-L,-76A-H,
	Ducellier	1	US 85	6083A-G,-85ABC,-87B-F,-89A-F,-90AB
		2	Springs UF 7385	6202AB,-12AB,-15A-D,-16ABC,-17A-E,
		2	Bushings	620219A-C,-20A-C,-23A,-24B-D,-26A,
	USX 73-85			62027A-D,-31A-C,-36BC,-37A-D,-38D
				620242A,-44A,-45A,-47AB
				532 000AB,-1AB,-2ABC,-3AB,
				532 004ABC,-5A,-7A,-8ABC,-9AB,
				532 010AB,-11A,-14A,-17A,-18A,-20AB
				533 000A,-1-4A,
9 1379 1	Valeo	1	US 91	6202C-F,-17FGH,-46ABC
	Ducellier	1	US 92	532 012AB,-16AB,-21A,-23A,-26A
		2	Springs UF 9192	534 002A,-3ABC,-4A,-5ABC,-7A,
		2	Bushings	-09ABC,-23A,-29A,-31A,-32A,
	USX 91-92			-39A,-42AB,-43AB,-44A,-45A,
				-46AB,-47A,-48A,-49A,-50AB,
				-51A,-52A,-53C,-54D,-55E,-57A
9 1731 1	Valeo	1	PS 138	D9R84,-121
	Paris Rhone	1	PS 139	SH 2.0 kw
		2	Springs PF 3841 (R14)	12 Volt
		2	Bushings	
		1	Needle Bearing	
9 1732 1	Valeo	2	PS 140	D9R73,-89-91,-96,-99,-105,-106,
	Paris Rhone	2	PS 141	D9R118,-122,-126,-135,-139,-142
		4	Springs PF 3841	D9R1050
		2	Bushings	SH 3.1 kw
	PSX 140-141	1	Needle Bearing	12 Volt

IKA-No.	Original	Qty.	References	Unit-Nos.
9 1791 1	Valeo	2	PS 142	D7R..
		2	PS 144	
	D7R universal	1	Lever D7R	
		4	Springs D7R	
		4	Spring Caps D7R	
		3	Bushings	
		3	Needle Bearings	
9 1795 1	Valeo	2	PS 142	D7R 8, 9, 12
		2	PS 143	
	D7R	1	Lever D7R	
		4	Springs D7R	
		4	Spring Caps D7R	
		2	Needle Bearings	
		2	Bushings	
9 1796 1	Valeo	2	PS 142	D7R 5
		2	PS 144	
	D7R5	1	Lever D7R	
		4	Springs D7R	
		4	Spring Caps D7R	
		2	Needle Bearings	
		2	Bushings	
9 1797 1	Valeo	2	PS 142	D7R 1-4, 11, 15
		2	PS 144	
	D7R	1	Lever D7R	
		4	Springs D7R	
		4	Spring Caps D7R	
		1	Needle Bearing	
		3	Bushings	
9 1798 1	Valeo	1	PS 148	D6RA...
		1	PS 149	w/o. D6RA8,-10
	D6RA(4)	1	Spring PF 4849 (R16)	
	w. brushe holder	1	Brushholder D6RA	
	and small parts	4	Bushings	
		1	Sundry Parts D6RA 2 2237 0	
		2	Insulations	
9 1799 1	Valeo	1	PS 146	D6RA8,-10
		1	PS 147	
	D6RA8/10(4)	1	Spring PF 4647 (R17)	
	w. brush holder	1	Brushholder D6RA 8/10	
	and small parts	4	Bushings	
		1	Sundry Parts D6RA 2 2237 0	
		2	Insulations	
9 1818 1	Valeo	1	PS 146	D6RA 8/10 BH
	D6RA8/10(3)	1	PS 147	
	w. brush holder	1	Brushholder D6RA 8/10	
		1	Spring PF 4647	
		3	Bushings	
		2	Insulations	

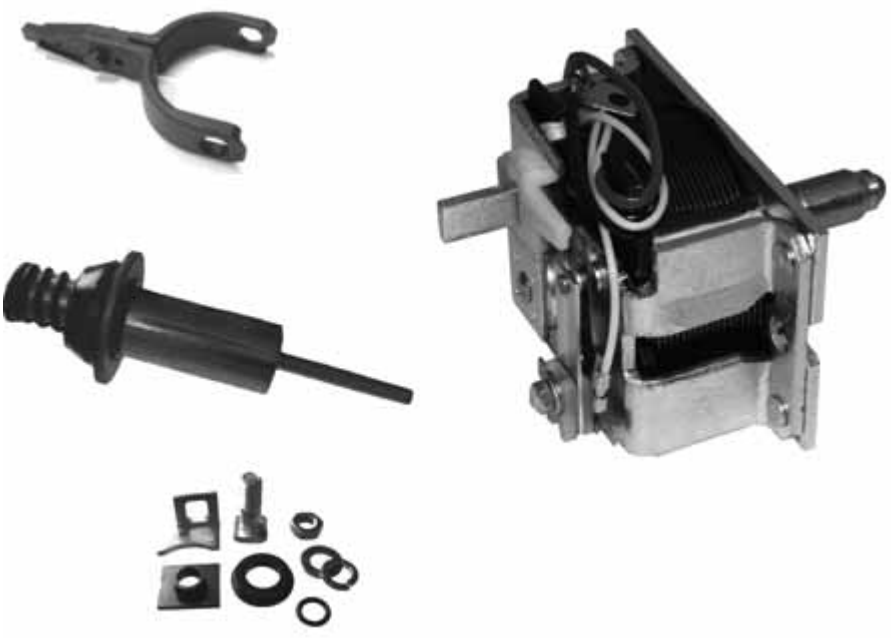
IKA-No.	Original	Qty.	References	Unit-Nos.
9 1820 1	Valeo	1	1 x PS 148	D6RA...
		1	1 x PS 149	w.o. D6RA8,-10
	D6RA(3)	1	1 x Spring PF 4849 (R16)	
		3	3 x Bushings	
		2	2 x Insulations	
9 1821 1	Valeo	1	PS 146	D6RA 8/10
		1	PS 147	
	D6RA8/10(3)	1	Spring PF 4647	
		3	Bushings	
		2	Insulations	
9 1822 1	Valeo	1	PS 148	D6RA...
		1	PS 149	w./o. D6RA8,-10
	D6RA(3)	1	Spring PF 4849	
	w. brush holder	1	Brushholder D6RA	
		3	Bushings	
		2	Insulations	
9 1901 1	Valeo	4	PS 64 S	D11E79,-D,-109,-110,-142,
	Paris Rhone	4	Springs PF 1156	-143,-159,-165
		4	Bushings	
	PSX 64			

8

VERSCHIEDENE STARTERTEILE

VARIOUS STARTER PARTS

DIVERSES PIECES DE DEMARREURS



IKA-No.	Original	References	Unit-Nos.
4 0736 0	Bosch	Brush Spring Brush-Sets: BSX 166,BSX 175-176 Brush-Holders: 7 7125 1,7 7126 1,7 7131 1	0 001 106 …/107…/121… 0 001 112…/113…/114…/133...
4 0737 0	Bosch	Brush Spring Brush-Sets: BSX 157-158 Brush-Holders: 7 7127 1,7 7129 1,7 7132 1	0 001 109…/110…/123-125…
4 0738 0	Bosch	Brush Spring Brush-Sets: BSX 159-160 Brush-Holders: 7 7124 1,7 7128 1	0 001 108…/111…
4 0739 0	Bosch	2 004 616 007 Brush-Sets: BSX 134-144,BSX 135-145 Brush-Holders: 7 7119 1,7 7120 1	0 001 367…/368…/ 9 000 143… JF 12V 3.0kW - JF 24V 4.0kW
4 0740 0	Bosch	1 004 611 007 Brush Spring Brush-Sets: BSX 146,149,154,156 Brush-Holders: 7 7122 1	0 001 208…/211… 9 000 333 …
4 0747 0	Bosch	1 004 615 001 Brush Spring Brush-Sets: BSX 151 Brush-Holders: 7 7130 1,7 7133 1	0 001 218… / 9 000 331… EV 12V 2.2kW
4 0748 0	Bosch	2 004 618 004 Brush Spring Brush-Sets: BSX 137-143,138-142,139 Brush-Holders: Brush-Holders: 7 7115 1,7 7116 1	0 001 362…/363…/366… 9 000 143... JF 12V 1.9/2.0/2.2-2.7kW JF 24V 2.6/3.2kW
4 0749 0	Bosch	1 004 611 006 Brush Spring Brush-Sets: BSX 140, BSX 152 Brush-Holders: 7 7121 1	0 001 312 108,109 0 001 317 007-025 GB/GF 12V 1.7kW
4 0750 0	Bosch	6 033 AC0 318 Brush Spring Brush-Sets: BSX 190-191 BSX 194-195 BSX 216-217 BSX 222-223 BSX 224-225 Brush-Holder: 7 7199 1 7 7210 1 7 7241 1 7 7242 1 7 7243 1 7 7244 1	0 001 230 002-007,009,030 0 001 231 004-007,009,012,013,016,023, 026-030,033-036,038-041,045, 046,119,146 0 001 241 001,008,009,016,019-021,023, 024,119 0 001 260 001 0 001 261 007,008,012 0 001 263 002,010,012,014 EV(R) 12V 3.0 kW EV(R) 24V 4.0kW HE95-M 12/24V (R) HEF95-L 24V (R) 5.5 kW HX95-L 12V (R) 4.0 kW
4 0752 0	Bosch	2 004 616 009 Brush Spring Brush-Sets: BSX 155,163-164,170-171, BSX 198-199 Brush-Holders: 7 7137 1,7 7138 1,7 7400 1	0 001 364…/367…/368…/369…/372… 9 000 143… JD 24V 5.2kW, JE 24V 6.2kW JF 12V 2.5/3.0/3.1kW JF 24V 4.8kW

IKA-No.	Original	References	Unit-Nos.
4 0779 2	Bosch	Screw-Kit JF 4 screws + 4 nuts M5 Brush-Sets: BSX 134-144,135-145, BSX 137-143,138-142, BSX 163-164,170-171, BSX 198-199	0 001 367 .../ 0 001 368 ... 9 000 143 ...
4 0780 2	Bosch	Spring-Kit JF new Screw-Kit JF 4 0779 2 + 4 Springs 4 0752 0 Brush-Sets: BSX 155,163-164,170-171, BSX 198-199	0 001 364 .../ 0 001 367 ... 0 001 368 .../ 0 001 369 ... 0 001 372 .../ 9 000 143 ...
4 0781 2	Bosch	Spring-Kit JF old Screw-Kit JF 4 0779 2 + 4 Springs 4 0739 0 Brush-Sets: BSX 134-144,135-145	0 001 367 .../ 0 001 368 ... 9 000 143 ...
4 1003 0	Bosch	Stop Collar Kit JD/JF	0 001 359…/360…/362…/363…/367… 0 001 368…
4 1004 0	Bosch	Stop Collar-Kit 12mm	PMGR-Starters with 12 mm drive shaft
4 1005 0	Bosch	Stop Collar-Kit 11mm	PMGR-Starters with 11 mm drive shaft
4 3370 0	Bosch	2 000 105 040 Clutch Washer KB	0 001 410 …/ 411 …/ 413 …/ 414 … 415 …/ 416 …/ 417 …/ 418 … 9 000 084 …
4 3393 0	Bosch	2 007 011 071 Terminal Kit IE 5.0/6.7 kW	0 001 370 003,004 0 001 371 004-010,012-020
4 3394 0	Bosch	Terminal Kit 12 mm KB-Starter	0 001 416 002,038,040, 0 001 416 043,062 0 001 417 001,007,036

IKA-No.	Original	References	Unit-Nos.
4 3395 0	Bosch	2 007 010 007 Small Parts Kit JD/JF	0 001 354…/359…/360…/362…/363… 0 001 364…/365…/366…/367…/368… 0 001 369…

4 3396 0	Bosch	Small Parts Kit KB 2 000 105 040 x 1 2 000 109 008 x 2 2 000 210 014 x 1 2 000 212 000 x 1 2 004 650 030 x 1 2 000 500 084 x 2 2 003 315 002 x 1 2 003 450 015 x 4	0 001 410 ... /411 ... /414 ... 0 001 416 ... /417 ...

4 3397 0	Bosch	2 004 632 026 Terminal Kit 10 mm KB-Starter	0 001 410 088 0 001 411 012,017 0 001 416 004,007,008,027 0 001 417 010,038,041

4 3398 0	Bosch	2 007 010 032 Small Parts Kit JD/JF	0 001 354…/359…/360…/362…/363… 0 001 364…/365…/366…/367…/368… 0 001 369… 9 000 143 ...

4 3470 0	Bosch	0 331 450 002 Relais KB Starter	0 001 410 …,411 …, 0 001 414 …,415 …, 0 001 416 …,417 … 9 000 084 …

4 3471 0	Bosch	0 331 101 005 Relais KB Starter	0 001 410 …,411 …, 0 001 414 …,415 …, 0 001 416 …,417 … 9 000 084 …

IKA-No.	Original	References	Unit-Nos.
4 3490 0	Bosch	Contact set for Relais 0 331 450 001 KB-Starter	0 001 410 …

4 3491 0	Bosch	Contact set for Relais 0 331 101 006 KB-Starter	0 001 410 …

4 6027 1	Bosch	2 006 401 527 Clutch KB Starter	0 001 410 …,411 …, 0 001 413 …,414 …, 0 001 415 …,416 …, 0 001 417 …,418 …

4 6035 1	Bosch	0 331 450 001 Relais KB Starter	0 001 410 …,411 …, 0 001 414 …,415 …, 0 001 416 …,417 … 9 000 084 ...

4 6054 1	Bosch	0 331 101 006 Relais KB Starter	0 001 410 …,411 …, 0 001 414 …,415 …, 0 001 416 …,417 … 9 000 084 …

4 7148 0	Bosch Lever	2 001 933 149 2 001 933 175	0 001 359…,360… 0 001 362…,363… 0 001 364…,365… 0 001 367…,368…,369… 9 000 143…

IKA-No.	Original	References	Unit-Nos.
4 7149 0	Bosch Lever for Gear Starters	1 001 933 106 1 001 933 111	0 001 106 ... /107 ... 0 001 108 ... /109 ... 0 001 110 ... /112 ... 0 001 113 ... /114 ...
7 7050 1	Bosch	Field Coil Connector 10 mm² x 92/77 mm	
7 7051 1	Bosch	Field Coil Connector 10 mm² x 105/90 mm	
7 7052 1	Bosch	Field Coil Connector 8 mm² x 105/90 mm	
7 7053 1	Bosch	Field Coil Connector 6 mm² x 105/90 mm	
7 7055 1	Bosch	Field Coil Connector 8 mm² x 75/60 mm	

IKA-No.	Original	References	Unit-Nos.
7 7056 1	Bosch	Field Coil Connector 6 mm² x 45/30 mm	

7 7057 1	Bosch	Field Coil Connector 6 mm² x 60/45 mm	

7 7058 1	Bosch	Field Coil Connector 8 mm² x 55/40 mm	

7 7060 1	Bosch	Field Coil Connector 16 mm² x 90/75 mm insulated w. grommet	0 0001 218...

7 7061 1	Bosch	Field Coil Connector 16 mm² x 110/95 mm	

7 7062 1	Bosch	Field Coil Connector 10 mm² x 75/60 mm	

IKA-No.	Original	References	Unit-Nos.
7 7063 1	Bosch	Field Coil Connector 16 mm² x 105/90 mm fits Field Coil 2 004 114 065,135	0 001 368 001-006,008-014,016, 017,019,022,024,025, 027-029,032-034, 037-040,042,043, 045-052,054-056,058, 059,061,062,067,069, 070,072,074-076, 078-080,082,083, 085-087, 300-303,305,306,309, 311-313,317,318 9 000 143 604

IKA-No.	Original	References	Unit-Nos.
4 3473 0	Denso	28017-19502 Contact Kit fixed with M8 stud, copper 2.5mm	028000-5910,-6000,-6260, -6300,-7550,-7790, -8370,-8620,-9270 1.4 kW Gear Reduction Starters
4 3474 0	Denso	28017-19512 Contact Kit	028000-5581,-5620,-7240 128000-6330 2.4 kW Gear Reduction Starters
4 3475 0	Denso	 Contact Kit	028000-8370 1.0/ 1.2/ 1.4/ 2.0 kW
4 3476 0	Denso	 Contact Kit fixed with M8 stud, copper 2.5mm	128000-0620,-7140,-9380 228000-0470 1.2/ 1.4/ 2.0 kW
4 3477 0	Denso	028099-7230, 028099-9130,-9131 Contact Kit	128000-7390,-7500,-7560, -7713,-7714,-8030, -8400,-9310,-9710 1.2/ 1.4 kW
4 3478 0	Denso	028099-7210 028099-7212 028099-7231 Contact Kit	128000-7002,-7122,-8210, -8310-8312,-8320-8322 1.2/ 1.4 kW

	IKA-No.	Original	References	Unit-Nos.
	4 3479 0	Denso	028099-7240 028099-7242 Contact Kit	128000-9310, -9880, -9890, 228000-0820, -0830, -0900, -1560, -2500, -3220, -3620, -4970, -5490, -5670, -5680,-6170 1.2/ 1.4 kW
	4 3480 0	Denso	053660-0401, -0402 -7100, -7250 -7260, -7710 Plunger	028000-7370, -7791, -9260
	4 3481 0	Denso	021660-0440 053660-0441,-0442,-0443, -0660,-7111,-7170 Plunger	028000-5510, -6290, -6870
	4 3482 0	Denso	053660-7120, -7121 053680-7120 Plunger	128000-6810,-6811,-6812, -7002,-7120,-7122, -7140,-7500,-7560, -7713,-8210,-8321, -8460,-8470,-8480
	4 3483 0	Denso	053660-7240,-7241 Plunger	228000-2120, -2680, -2690, -2700, -2860, -2980, -2990, -3260, -3840, -3850, -3851
	4 3521 0	Denso	28017-19500 Contact Kit	028000-5120,-6030,-6040, -6700,-6710,-7390, -8180,-9710 128000-0700 1.4 kW Gear Reduction

IKA-No.	Original	References	Unit-Nos.
4 3522 0	Denso	28017-19511 Contact Kit	228000-5641,-7550 2.4 kW Gear Reduction Starters
4 3523 0	Denso	028099-2790,-2791 028099-3780,-3781 028099-7100,-7120,-7140 Contact Kit	028000-5300,-5301,-5510, -5511,-5530,-6870 028100-54032 2.5 kW Toyota, Isuzu
4 3524 0	Denso	028099-3160	028000-4800,-5000,-5300, -5301,-5510,-5511, -5530,-5531,-6870 2.5 kW Toyota, Isuzu
4 3525 0	Denso	028099-2921,-3010 028099-3020,-3390 028099-3399,-6820 028099-7220 Contact Kit	028000-3641,-3642,-4323, -4343,-4450,-4540, -4940 1.0/ 1.2/ 1.4/ 2.0 kW
4 3526 0	Denso	028099-6420 028099-6430-6433 028099-6470 028099-6890	128000-5730,-5731 5.5 kW 24V
4 3527 0	Denso	128099-5240 128099-5241	228000-0570, -0571, -1590, -1591, -1600, -1601, -1610, -1611, -1661 2.5/ 2.7/ 4.5 kW

	IKA-No.	Original	References	Unit-Nos.
	4 3528 0	Denso	028099-7202 028099-7800,-7812 Contact Kit	228000-2120,-2690,-2860, -2990 2.0 kW
	4 3529 0	Denso	028099-3000,-3001 028099-3040,-3041 Contact Kit	028000-4323,-4540,-4940, -5900,-5911,-5912, -6001,-6120,-6361, -6362, -7351,-7410,-7560 1.0 kW
	4 3530 0	Denso	028099-7750-7752 028099-8960,-8961 Contact Kit	028000-7370 228000-0640, -0780, -0880, -0910, -1690, -1780, -2300, -2610, -2851, -2880, -3640, -4880 1.0/ 1.2/ 1.4/ 2.0 kW
	4 3531 0	Denso	028099-2680,2820 028099-3030,-3031,-3860 028099-8672,-8701 Contact Kit	028000-3641,-3642,-4343, -4450,-4990,-5060, -5190,-5390,-7370 1.0/ 1.2/ 1.4/ 2.0 kW
	4 3532 0	Denso	128099-3170 Contact Kit	128000-3080,-3081,-3082, -3512,-3513,-3514, 228000-1671,-5641,-7550 2.5/ 4.5 kW
	4 3533 0	Denso	028099-2690,-2691 Contact Kit	028000-4800,-5000,-5300, -5301,-5570,-5571, -5651,-5652,-5660 2.5/ 4.5 kW

	IKA-No.	Original	References	Unit-Nos.
	4 3534 0	Denso	028099-6600 Contact Kit	128000-3380, -3381, -3420

IKA-No.	Original	References	Unit-Nos.
4 3837 1	Hitachi	2114-41100 2114-61300	S-114850,-851,-851A Opel Astra, -Corsa Diesel
	Armature 9 teeth		

IKA-No.	Original	References	Unit-Nos.
4 0751 0	Remy	Brush Spring RF 120	all types Delco Europe
4 7161 0	Remy	DR 1901 Lever Opel, Vauxhall	3471141,143,144,150,152

	IKA-No.	Original	References	Unit-Nos.
	4 0774 2	Valeo	Spring-Kit D7R Brush Holder 7 7157 1	D7R all units
	4 0775 2	Valeo	Spring-Kit 146/47 Brush Holder 7 7150 1	D6RA 8,10
	4 0776 2	Valeo	Spring-Kit 148/49 Brush Holder 7 7151 1	D6RA all units w. exception of D6RA8/10 see 4 0775 2
	4 0777 2	Valeo	Spring-Kit PSX 133 Brush Holder 7 7153 1	D9E 2-Brushes version
	4 0778 2	Valeo	Spring-Kit PSX 129 Brush Holder 7 7152 1	D9E 4-Brushes version
	4 1000 0	Valeo	073294 Stop Collar-Kit	D9R…
	4 1001 0	Valeo	Stop Collar-Kit	D6RA…
	4 1002 0	Valeo	097804	D9E…
NEW	**4 3836 1**	Valeo Armature 7 teeth	594528, 594530	D6RA67,76-81,91,100,101,104 105,107-110,115,167,180, 181
	4 3838 1	Valeo Armature 8 teeth	594529, 594531	D6RA45,50-57,60,63,64,66,70, D6RA72,74,75,83-85,87,137,138, D6RA141,161,168,185,187,188, D6RA210,511,571,572,661,721 D6RAD183
	4 3839 1	Valeo Armature 13 teeth	594526	D6RA5-8,10-13,15-23,25-30, D6RA32-34,37-44,46-49,59, D6RA61,62,65,68,73,82, D6RA133,162,165,249
	4 3840 0	Valeo	594534,594535 Field Case complete with Magnets	D6RA10,12,13, D6RA100,101,104,105,107-110,115 D6RA SH clockwise rotation

IKA-No.	Original	References	Unit-Nos.
4 3841 0	Valeo	Support for Magnets	D6RA
4 3842 0	Valeo	Magnet North	D6RA
4 3843 0	Valeo	Magnet South	D6RA
4 3844 0	Valeo	Field Case	D6RA SIH anticlock rotation
4 7154 0	Valeo	Lever	D7R..
4 7155 0	Valeo	Lever	D9E..,D9R..
4 7156 0	Valeo	Lever	D6RA

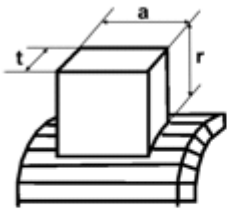
IKA-No.	Original	References	Unit-Nos.
7 7070 1	Valeo	Field Coil Grommet fits Brush Holders 7 7159 1 , 7 7165 1	D7E ...

9

KOHLEBÜRSTEN

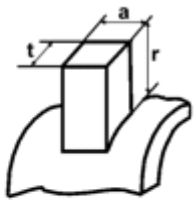
CARBON BRUSHES

BALAIS EN CHARBON



Dynamo
Starter

t	x	a	x	r
10	x	20	x	20mm



Alternator

t	x	a	x	r
10	x	5	x	20mm

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BX 68 (4) **P/N 0 1034 1** 4-B 68	Bosch	1 107 014 118 2 104 320 105, WSK 38L2Z	6 x 28 x 30,5	0 101 206 135,157 209 031,33,37,41 500 001,5,6,15,18,21,23,27 501 001,2,9,15,21,27-29,36,39,51,55,62-67 502 001 503 009 0 136 501,12,44 GQ300/12/950,400/24,GQL600/12/24 QL(R)14/28V/38/75A/14/15 12/24 Volt
BX 104 (2) **P/N 0 1035 1** 2-B 104	Bosch	1 107 014 116 2 104 320 074	6 x 22 x 25,5	0 101 353 005,12,14,22,25,29,37 401 010,15 402 001,2,7,8,11,28,31,43,47,49,50,55-57, 060,63,64,67,71,72,76,78,79,86,90,100,106 404 013,16,19,20,23,26 GK200/12/24,300/12/24,GKM300/24
BX 140 (4) **P/N 0 1043 1** 4-B 140	Bosch	2 107 014 007 2 104 320 084	6 x 22 x 25,5	0 101 206 012 402 010,11,59-64,73,78-80,83-85, 087-92,97,99,100,905,906 404 011,13,19,23 GK300/24,K(R)28V13A
BX 151 **P/N 0 1044 1** 2-B 151	Bosch	1 127 014 000 1 124 320 000	10 x 5 x 18	0 120 400 507, 10, 17, 19, 22-24, 26, 29-31, 533-37, 40 DK1/14V35A
BX 165 **P/N 0 1075 1** 2-B 165	Bosch	1 107 014 128,140,146 1 104 320 014,044,047, 2 104 320 012	6 x 22 x 25	0 101 203 067 302 002,06-08,13-16,21-29,35,36 039,44,47,51,56,67-76,83-86, 089,95-101,105,107,108, 111-120, 304 001-05,07,09,13-18 355 040 356 003,05,07,09,11-14,23,26 0 136 301 001 G(L/R) 14V30/38A GG,GJA 130/160/240/12

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BX 169 **P/N 0 1048 1** 2-B 169	Bosch	1 107 014 109,135,144 1 104 320 025,031, 037	6 x 14 x 19	0 101 100 015 200 034 201 020-23,25,28 202 010,16,22,23 203 002,03,05-09 204 014 205 009-12,14,16,19 206 007, 09,13,14,18,24-27, 029,30,32-35,37,38,43 044,47,50,52-54,57-68, 070-76,79,81-84,86-91, 096,98-110,113, 115-117,119,120,122 123,125,132-141,145-152,157, 207 005,09-11,13-15,18 208 002,03,05,07-11 209 002,03,07-09,14,18, 021-23,25-29,31,33 036-41,43-47,60,64,65,67-69 352 005,08 354 023 355 040 0 136 200 007 EF,EG,EH 7/14V 20-50A GE,GEF,GEG,GEH 130/160/200/6/12 REE,REF,REG,REH 75/90/160/180/200-300/6
BX 182 **P/N 0 1051 1** 2-B 182	Bosch	1 127 014 009 1 124 320 029	10 x 5 x 17	0 120 400 600-6,8,9,11,14,15,20-31,34, 635,37,43,44,47-50,52-63,71, 672,75,77-82,86,87,92,93, 700, 2,3,9-14,16,17,19,21, 726-31,36,52,53,56,57,64,65 765-77,86,87,89,92-95, 800, 1,2,23,47,48,70,71,93-96 920,34,40 K1(L/R)14V35/55A20 28/45/50/55A22 K1-14V35A20,45A24
BX 185 **P/N 0 1052 1** 2-B 185	Bosch	1 127 014 011 1 124 320 027	8 x 5 x 15,5	0 120 300 510-19,22,23,28-40 543-52,55,58-64,67,69, 573-80,85-90,92, 339 539 400 669,670,704-707,722-724, 733,740-743,745,747,758, 759,771,772,782,783, 806-11,14,27,28,31-34,36,37, 839-41,49-61,63-69,72,73,85, 889,90,98,99, 900-03,06,08,10-19,21,22, 926-28,36,37,43 450 003,4,7, 489 059,678,776,78,87,88,832,97, 489 955,98,99 9 120 143 000-003,6,7,9-11,15-17,20,21, 023,25-28,32-34 9 120 143 201-4,18,22,23,25, 9 120 144 002,5,10,11-14,18-20,22,24, 026,27,28,30,32,34,35,37, 039,040,218-220,229-233, 239,259,260-264,272, 274-276,294,296-298, 303,311 G1(L/R)14V15/18V20 28A22,33A27 G1-28V17A27 K1(L/R)14V35/38/50/55A20, 43/50A21, 35/45/60A22, K1(L/R)14V20/38/45/60A, 21/50A,23/55A,28/70A

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BX 188 **P/N 0 1079 1** 4-B 188	Bosch	2 017 014 100,105 2 014 320 012 Startergenerator	 6 x 14 x 23,5	0 010 300 001-4,6,13,100,101 350 003-7,9,11-20,100-106 0 101 350 004 0 136 351 006 EJ160/12/3000 J(R)14V11A32 RL14V11A32
	BX 190 **P/N 0 1080 1** 2-B 190	Bosch	1 127 014 012 1 124 320 025,43,57	 10 x 5 x 17	0 120 340 001-006,008 G1 14V20A
	BX 192 (4) **P/N 0 1069 1** 4-B 192	Bosch	2 107 014 012 2 104 320 064	 8 x 28 x 33,5	0 101 209 060,65,68 301 010 302 022,25,27,29,35,39,44,56,84,105,111 601 003,5 21, 22, 24, 73, 92, 93, 96, 98, 100, 102-104, 106, 114, 116, 118-120, 122, 126, 128,130, 140, 142,148,149, 160, 166, 168, 171-179,186, 189-191, 194, 195 690 004 GTL700/12/24, 1000/12/24 TL 28V 62A,UT1200/24
	BX 198 **P/N 0 1084 1** 2-B 198	Bosch	1 127 014 014 1 124 320 002	 10 x 5 x 17	0 120 400 504,5,7,8,10-12,17-19,22-25, 528-34,36,40-42,47-49,51-55, 558,63,66-72 617-19,32,33,36,39-42,45,64, 666-68,73,74,83-85,88-91,94, 695,97-99, 701,8,15,20,32,37,54,55, 773-75,78,79,85,88,90,91, 796-99, 805,24-26,30,35,42,43,45, 846,74-78,81-84,86-88, 891,92,97, 904,5,7,25,29-31, 9 120 690 024 K1 14V50A17,50A19,35/55A20 K1 28V17/25A19,21A21,27A23,35A24,45A27 K1-14V 16/35A K1-28V 3/45A,7/27A,8/35A
	BX 199 **P/N 0 1081 1** 2-B 199		1 127 014 015 1 124 320 039	 8 x 5 x 15,5	0 120 400 665,725,760-763,784,829 489 793,94,96, 9 120 144 006-8,101-5,107,109,110 K1 14V 55A20 K1 28V18A5/A21,35A8/A24 K1 28V 5/18A,7/27A,8/35A 12/24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BX 202 **P/N 0 1061 1** 2-B 202	Bosch	1 127 014 013, 017,020 1 124 320 046/054	8 x 5 x 19,5	0 120 400 944,45,47-54, 450 001,2,10-29 469 580,691,752,53,73,850,51 484 045,46 489 034,658,709,891,900,995 9 120 144 124,125,130,133 K1-14V23/65A,35/75A,40/90A K1-28V 7/27A,8/35A N1-14V29/90A,30/85A,31/70A,40/100A,50/120A N1-28V10/55A 12/24 Volt
BX 203 **P/N 0 1086 1** 2-B 203	Bosch	2 127 014 003,005 2 124 321 005	10 x 5 x 22	0 120 600 515,21,25,27,38-40,43,44,54, 554,58-71,73-81 0 121 600 503,7,9,11-16,18-20 T1 (R/L)28V60/85/100A12 85A14,125A21 T1-28V33/139A,170/16A T2-28V85/100A12,170A16 24 Volt
BX 204 **P/N 0 1062 1** 2-B 204	Bosch	1 127 014 022 (018,023, 025, 029,030) 1 124 320 069 (070,079) w./o. springs and rivets	8 x 5 x 19,5	0 120 339 547 450 030,31 468 001-147,149,154,155,159-162,999 469 001-041,043,044,048,100-105,107-118, 518-523,526,532,540-549, 551-564, 566-569,571,572,575,576,578,579, 581-595,598-611,617-624,628-653, 655-662,664-677,679-690,692-709, 711-751,754,757-759,761-763,768,772, 774-797,799-802, 804-823,827-839,843, 849,852-865,868-871,873-879,881-897, 899-916,918-953,955,956,958-960,962, 963,966-985,988-999 484 001-027,035,040,041,050,051 488 000-012,100-103,109-112,114,115,118-126, 129-153,156-205,207-211,214,215,217-241, 243-247,249-293,295,299-304,306,308-316 489 002-018,022-033,035-046,055,057,058, 061-066,069,070,072,073,076-084,086-088, 090-101,103-156,162,167,168,170-176, 181-184,186-220,224,226-229,232-239, 242-254,258-263,266-269,272-279,282,283, 285-292,294-305,307,308,310-398,400-405, 408,410-413,418-452,455-457,460,461, 465-467,469-474,476-480,482-499,507,643, 702-704,707,710,723-726,728-731,733,737, 756,757,779,827,881,882,885,886,888,889, 901-906,909-912,917,918,928,930-933,935, 936,944-946,960,961,964-978,980-997 6 033 G00 1BY G30 03B,14B,30B,31B,37-40B, 43B,57B,40B,58B,60B G3B 022 G40 11B GB2 009 GB3 006,08-10,14,19-23,27,30,31, 033,36,40,46,47,54,55,59 GB4 008,09,15-18,20,21 GB5 007,09 9 120 080 129,135 143 018,019, 144 111-123,126-129,131,132,136,137,139, 205-207,216,217,235-237,240-245,248-258, 265,266,269,270,279-282,284,286-290,292, 301,305,600-628,631,636 334 135-139,310,312-318,320,322-324, 326-328,625-628,631,635,636 335 003 690 095,098,150,152,154 9 121 337 079 K1 14/28V 35-120A N1 14/28V 55-140A NL1 28V45-80A 12/24 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BX 208 **P/N 0 1063 1** 2-B 208	Bosch	1 127 014 028 w/o.wire 1 124 320 076, 078 F 00M 145 800 Brush with flex only	 6 x 4 x 17,5	compact generator slipring 14 mm same application as BX 213 12/24 Volt
	BX 209 **P/N 0 1066 1** 2-B 209	Bosch	1 127 014 021 (019) 1 124 320 061	 8 x 5 x 15,5	0 120 339 502-506,509-526,527,528,531-538,543-546 400 938,939,941,942 450 009 469 500-507,510-513,515,517,524,525,528,531, 533-535,537,539,570,573,574 489 001,019-021,047-052,054,074,075,309,475, 481,500-502,506,508-514,519-523,526,527, 532-536,538,541-551,556-562,565,566, 568-570,572-578,580-582,586,588,590, 593-595,599-605,607-611,613-617,619-624, 626-636,638-640,642,644-650,652,654-657, 659-661,664-669,671-673,676,678-683, 686-688,692,699,701,706,711,712,714, 716-722,732,735,739-743,745,747-749,751, 753,755,758,760-763,765,767-770,772,774, 775,780,781,783,785,786,795,797,798, 800-804,806,809-811,813,815,817,819, 821-826,828,829,833,835-844,847-857,859, 860,862,864,866-869,871,873-875,877-880, 887,893-896,899,914,916,919,921,922,924, 938-940,942,943,947-952,956-959 888 888 9 120 143 035,036,205-210,212,214,215,224,227-229 144 016,100,106,108,202-204,209,215,221-224, 144 227,238 334 140 690 006,007,012-015,020,021,025,081,082 G1 14V 28-35A G1 28V 3/18A K1 14V 35-70A K1 28V 7/27A, 8/35A N1 14V 70-90A 12/24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BX 213	Bosch	1 127 014 028		0 120 335 006-008,010-012,
P/N 0 1065 1				465 003,004,006-018,020,021,023,026-029,031,
2-B 213		1 124 320 077	6 x 4 x 17,5	485 005-008,011,012,015,017-020,022-026,
				028-030,032,034,036,038,039,041,043,044,
				046-050
	Regulators	with monolithic circuitry		0 123 100 001-003
		Regulator-Nos.:		105 001,002
		1 197 311 212-214,221-223,225,		110 004-008
		230,231,233-236		114 005
		238-240,242,501,503,		115 009-014
		508-511,513,514,		120 001
		519-523,525,526,		212 001
		528-530,533,539-541,		215 001
		543,545,547-553,		310 001-008,010-020,022-035,037-044,046-055
		555-558		315 001-008,013,015-022,500-503
				320 001-012,014,016-055,057-063,065-067
		slip ring diameter 14mm		325 002-008,010-014,500
				335 001-006,008
				340 001-003,005-007
				345 004
				500 001,002,004-009
				505 001-005,007-018
				510 001-018,020-023,026-034,037-054,056-075,
				079-082,088,089,091-096,099-102,105-109
				512 500-502
				515 002-004,007-014,016-018,020-025,028,
				030,031,500-503
				520 001-008,010-015,017,019-023,026,027,
				029-031,500
				525 001,500-503
				540 001-004
				545 001-004
				0 124 515 503
				F 010 LD0 201,202,205,206
				GC 14V,50-70A
				KC 14V, 37-95A
				NC 14V, 55-150A
				12/24 Volt
BX 214	Bosch	1 127 014 024		0 120 489 293,309,475,481
P/N 0 1067 1				K1 14/28V, 45-65A
2-B 214		1 124 320 073	8 x 5 x 17,5	12/24 Volt
BX 215	Bosch	1 127 014 016, 026, 027		0 120 469 710
P/N 0 1068 1		6 033 RD7 001		689 502-08,10-18,20-28,
2-B 215		1 124 320 075	8 x 5 x 24,2	530-35,38-43,45,46,
				548-53,55,57-59,61-64
				567,69-78,82-85,87
				F 000 LD0 200-203, 205-213
				F 006 LD0 800
				T1 28 V 105-140A
				24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BX 216 **P/N 0 1064 1** 2-B 216	Bosch	2 127 014 006,007,008 2 124 321 007	10 x 5 x 26,5	0 120 600 582-592 689 519,529,536,537,544,547,554, 556,560,589,590 T1(R/L)28V 44/55A,51/85A,60/89A, 110/180A
BX 219 **P/N 0 1082 1** 2-B 219	Bosch	1 127 014 031 1 124 320 080 w./o. springs and rivets	8 x 5 x 17,5	0 120 469 847,848 488 206, 294 K1 28V, 45A-90A 24 Volt
BX 220 **P/N 0 1083 1** 2-B 220	Bosch	F 00M 145 810 Multifunction regulators for Compact Generators Regulator-Nos.: F 00M 145 ... 200,201,206-211,213-215, 217-220,222,224-231,233, 235-249,251,252,254-261, 270,271,282,350,404,862 slip ring diameter 14mm	6 x 4 x 17,5	0 124 215 001-006,008 225 001,002,004,009,012,016,018-030,032-036, 225 038,039,045,047 315 001-008,010-016,018-022,024-027,030 325 001-004,006-024,028,031-037,039-067,071, 073-076,079,085,086,088,094,097,100,101, 105,107,109-115,119,120,125 415 001,002,005-016,023,025,026,028,030, 032,033 425 004,006,009,010,019,021,022 515 001,004-006,010-013,015-019,022-028, 031-035,038-050,054-062,064,068,073, 079,080,082,083,085-087,089-091,095,096, 101,103,109,110-113,116-118,120,121,132 525 001,008-010,014,016,017,019-022,027,030 039,040,056-058 555 001-008,012-016,020,024,027,035 615 002,006-009,012-017,019-021,024,026,027, 030,031,035,046 625 005,007,018 655 001,002,004-008,012,013,016, F 000 LD0 700 E4 14V 50-110A E6 14V100-120A E8 14V 75-140A GCB2 14V 38-70A KCB1 14V 50-90A KCB2 14V 55-105A LI-E 14V 55-110A NCB1 14V 70-120A NCB2 14V 90-150A 12/24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JAAX 5-8	Denso			12 Volt
P/N 0 1907 1				
1-JAA 5		21660-040/060	10 x 5 x 20/18,5	
		21660-090/160		
1-JAA 8		21660-050/080	10 x 5 x 20/18,5	
		21660-100/170		
	Hino	6-303-3106-90		
		6-303-3107-0		
	Isuzu	9-8221-1692-0/-1693-0		
		9-8221-2114-0/-2115-0		
		9-8221-2138-0/-2139-0		
	Toyota	27371-30010/-46030		
		27371-50020/-77010		
		27377-30010/-31010		
		27377-46030/-77010		
JAAX 9	Denso			12 Volt
P/N 0 1900 1				
2-JAA 9		21660-0130		
	Daihatsu	27371-31011/-87202	8 x 5 x 18/16,5	
	Hino	27371-1010		
		2737B-31011/-87202		
		6-303-3114-20		
	Honda	31105-611-005		
		31144-516-004		
	Isuzu	9-8221-1891-0/-1791-0		
		9-8221-2124-0		
	Mazda	0727-24-542		
		1304-24-542		
	Mitsubishi	K437128-1		
		MD604018		
		ME021981		
	Subaru	39511-0802		
	Suzuki	31631-31011/-55011		
	Toyota	27371-31011		
JAAX 10	Denso			12 Volt
P/N 0 1899 1				
2-JAA 10		21660-0320	5 x 8 x 17,6	
	Honda	31144-671-004		
JAAX 28	Denso			12 Volt
P/N 0 1917 1				
2-JAA 28		21660-0330	8 x 5 x 22,5/20,3	
	Daihatsu	27371-44070		
	Toyota	27371-44070		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JAAX 33	Denso			12 Volt
P/N 0 1913 1				
2-JAA 33		21660-0311	8 x 5 x 28,5/26	
		21660-0530		
	Daihatsu	27371-56070-000		
		27371-87701-000		
	Hino	27371-1160A		
		2737B-56070		
	Isuzu	5-81215-018-0		
	Mazda	V101-24-542		
	Mitsubishi	ME702997		
	Toyota	27371-54412		
		27371-56070		
		27371-56071		
JAAX 35	Denso			12 Volt
P/N 0 1915 1				
2-JAA 35		21660-0390	7 x 5 x 15	
		21660-0510		
	Daihatsu	27370-87302-000		
		27371-63020-000		
		27371-87501-000		
		27371-70300-000		
	GM	94123056		
		96054118		
	Hino	021660-0390		
		021660-0510		
	Honda	31144-PD1-0040		
		31144-PD1-0030		
		31150-PR7-AO1		
		31150-PTO-003		
	Isuzu	8-94123-056-0		
		8-94139-014-1		
		8-97032-308-0		
		8-97032-310-0		
	Komatsu	021660-0390		
		021660-0510		
	Mazda	021660-0390		
		021660-0510		
		KL47-18-W75		
	Mitsubishi	MD604474		
	Subaru	021660-0390		
		021660-0510		
	Suzuki	31631-82610		
		31656-82611		
	Toyota	27370-42010		
		27370-75060		
		27371-63020		
		27371-70300		
		27371-72161		
		27372-63020		
JAAX 38	Denso			12 Volt
P/N 0 1919 1				
2-JAA 38		21660-0370	8 x 5 x 22/19,5	
	Toyota	27371-44071		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JX 16				D115/12
P/N 0 1405 1				4158027,4153104,407539,
2-J 16	Fiat	4042681	7 x 19 x 26	63023312,13,15,17-19)
	Marelli	74930001		12 Volt
JX 18				DSV90
P/N 0 1407 1				12 Volt
2-J 18	Fiat	4034356	6,5 x 14 x 20,5	
	Marelli	74997971		
JX 22	Fiat			DSV90/12/16/3
P/N 0 1410 1				12 Volt
2-J 22		4110852-74996331	6 x 16,5 x 20,5	
JX 26				D90/12/16/3E,F
P/N 0 1413 1				DC90/12/8/3
2-J 26	Fiat	4136135	6 x 16,5 x 20,5	12 Volt
	Marelli	74996101		
JX 30-31				A12M-124-12-42/-42B/-42M/-42X/-47/-57B
P/N 0 1415 1				A12M-124-24-26/-26D/-26M
1-J 30/J 33	Fiat	4190088,4297856	8 x 5 x 16/14,5	A124-14V-44A/-60A
	Marelli	74995241		A124-28V-26A
1-J 31	Fiat	4190090	8 x 5 x 16/14,5	633 030 00,01,30,41,61
	Marelli	74990451		031 20,30,40,50,91
				032 00,13,20,22,23,40,80,82,90
		Brush Holder:		033 20,31,50,60,80,91
		74990431		034 00,09,20,29
				035 00,20,30,50,70
				040 03,20,23,40,50,75,79,81-83,87,90
				041 00,20
				042 01,21,31
				048 00,30,40,70,80,90 12/24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JX 32	Fiat	4274790		A108-14V-33A
P/N 0 1417 1	Marelli	74992271		AA108-14V-33A
				12/24 Volt
2-J 32	Fiat	4274791	8 x 5 x 15,5/14,3	
	Marelli	74992281,79703271		
JX 40-41/0				A12M-124-24-26
P/N 0 1422 1				A12MD-124-24-50
1-J 40	Fiat	4189862	8 x 5 x 19,5/18,3	633 040 02,22
	Marelli	74999901		044 00,01,20,30,31,40,60,90
1-J 41	Fiat	4189864	8 x 5 x 19,5/18,3	24 Volt
	Marelli	74999931		
		Brush Holder: 74999891		
JX 42	Fiat			AA125E-14V-65A
P/N 0 1433 1				AA125R-14V-45A/-55A/-65A/-70A
2-J 42	Marelli	7970502.1-7970745.1	7,2 x 4,2 x 17,5/16	AA125R-28V-30A/-35A
				633 200 01-08,10,12,13,15-18,20-32,34,35,37,40,42, 44-58,60,63,73,82,83,91,94,96,97
				201 00,02,05,10-14,18,19,21,22,26-32
				210 00-11,13,15-17,19-25,27-29,31,33,35-37, 39-42,44-50,52,55,56,58-63,67,68,70-73, 77-80,82-84,86-88,90,91,95-99
				633 211 00-14,16,17,23,26,29,36-38,41,46,49-59, 61-63,65,67-76,80,81,83,88-91,96-99
				12/24 Volt
JX 43				A 115IR -14V-85A
P/N 0 1434 1				A 127IR -14V-45A/55A/65A/70A
2-J 43	Fiat	54202906	7 x 4 x 22/20	A 127IR -14V-85A/100A
				A 127IM -14V-100A
				A 127IR -14V-85A/100A
				regulator Lucas 000 28 000,001,002,006,019
				regolatore Marelli 836 142 51 RTM24TR
				540 220 53,54,57,58
				221 30,42,47,48,60,64,67,83,86-88,95-98
				222 00,12,19,24-28,32,34,36,38,41-43,51,62, 64-66,75,80,81,86,90,91,95
				223 01,07,10,13,14,17,18,22,23,30,35-37, 40-42,48,49,53,74,75,77-79,82-85,88-92, 94,95,97,98
				540 224 02,08,10,15,18-20,25,26,28,31,32,36,37,39, 45-47,50,52,58,59,74,81,83,95
				540 225 10,14,17,25,28-32,36,52,54,55,60,61,64,67, 70,72,74,75,78,80-86,88-93,95-99
				540 226 00-04,08,11,17,21-39,41-43,46-56,62-65,68, 73-84,86,87,89,90,92-96,98
				540 227 06
				632 212 27,29,31,32,37,41,45,46,53,99
				213 13,97
				214 05,06,12
				633 241 45,57,58,61,88,98,99
				242 00,02,05,06,08,09,16,17,20,21,30,31,33,35, 40,42,45,56,57,60,62,64,71,73,74,76,77,86, 88-91,93-96,98,99
				243 08,11,16,18,22,27,32,34,38,74,80,84,85,87, 90,98,99
				244 00,02-04,06-09,11,18
				12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JX 44	Fiat			AA 115IR -14V-55A/65A/75A/85A AA 125IR -14V-85A
P/N 0 1435 1				
2-J 44	Marelli	836 225 20	7 x 4 x 19/17,5	AA 127IM -14V-85A/100A/120A AA 127IR -14V-85A/100A AA 125RI -14V-55A/65A AA 125RI -28V-30A regulator Lucas 540 226 69 regolatore Marelli 836 159 21 RTM150B, 836 171 81 RTM153B 855 612 91 RTM151B, 855 620 61 633 212 00,04,05,33-35,40,52,61,70,75-78,80-83,87,92 213 00,10,11,15,16,21,28,30-33,40,43-47,49,51-55, 61,62,67,90,91,96,98 214 01,02,18,19,23,26,31,53,61,62,65,66,73 216 00-13,15-18,20,25,26,29-32,40,41,55,60,61, 63,71 412 40 413 21,33,43-47,51-54 414 66 416 41,71 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	FX 67 **P/N 0 1526 1** 2-F 67	Ford-Visteon	 Brush-Box F1DU-10260-AA F1DZ-10347-A	 7,5 x 4 x 18	3G-series / Mondeo Diesel 12 Volt
	FX 68 **P/N 0 1222 1** 1-F68 1-F68	Ford-Visteon	 blue insulation red insulation Brush Set with spring	 8,2 x 4,5 x 17.3 8,2 x 4,5 x 17.3	1S7T1-10300-BA,BC,CB,CC,CD,DB,DC,DD 2S6T-10300-AA,FA 2T1U-10300-AB,AD,AF,AG,CA,CB,CF 3S6T-10300-AA TC10-10300-EA YC1U-10300-EA 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JAAX 12				12 Volt
P/N 0 1901 1				
2-JAA 12	Hitachi	L119N-1361	8 x 6 x 19	
	Hino	6-403-3127-80		
	Isuzu	9-8221-2104-0		
	Nissan	23135-14800/-73500		
JAAX 19				12 Volt
P/N 0 1906 1				
2-JAA 19	Hitachi	L123-1326	7 x 6 x 16,5	
		L125-2326		
		L130-1327/-7326		
		L130-7327		
		L135-1326		
		L135-1332		
	Hino	6-403-3119-90		
	Honda	31133-568-005		
		31134-568-005		
	Isuzu	9-8221-1609-0/-1687-0		
		9-8221-2105-0		
		9-8221-2108-0		
		9-8221-2120-0		
		9-8221-2130-0/-2131-0		
		9-8221-2133-0/-2149-0		
		9-8221-2150-0/-2151-0		
		9-8223-1803-0		
		1-33720-0630		
		1-33740-0130		
		1-33740-0150		
		1-33740-0270		
		1-33740-0280		
		1-81215-003-0/-006-0		
		5-81215-005-0/-041-0		
	Nissan	23135-16500/-16501		
		23135-21000/-21001		
		23135-21605		
		23135-61200		
		23135-65000/-65001		
		23135-90010		
		23135-90011		
		23135-95000		
	Subaru	89511-6101		
		89517-6101		
JAAX 20				12 Volt
P/N 0 1905 1				
2-JAA 20	Hitachi	L120-5326/-5327	7 x 5 x 18/16,5	
		L120-13262		
		L125-13251/-13261		
		L125H-1326/-1327		
		L130F-5326		
		L135-6326		
		L135N-1301		
		L150-13251/-13303/-13502		
		L150-73251/-73301		
		L150N-13261		
		L160-13301/-13302		
		L180-1335		
		L1401-1330		
	Isuzu	1.81215-018-0/-021-0		
		5-81215-007-0/-008-0/-009-0		
		5-81215-012-0/-013-0/-040-0		
		5-81217-004-0/-009-0		
		5-81218-014-0		
		8-94361-721-0		
		9-8223-1617-0/-1618-0		
		9-8223-1604-0		
		9-8223-1687-0		
	Komatsu	1-337040-0450		
	Nissan	23133-79500		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		23133-C6500/-N3300/-P0100		
		23133-U0101/-U0705		
		23134-61500		
		23134-L6000		
		23135-01B00		
		23135-06800		
		23135-61500		
		23135-99000/-99001/-99004/		
		23135-99005/-99008		
		23135-E3200/-E3201/-N3300		
		23135-P0100/-P2500/-U0104		
		23142-06800		
		23142-20W00		
		23142-B9800		
		23142-Q4601		
	Subaru	39526-2511		
		39533-2511		
		49526-7001/-7101/-7301		
		49574-7301/-7601		
		89511-6111		
		89517-6111		
JAAX 32				12 Volt
P/N 0 1912 1				
2-JAA 32	Hitachi	L150-23251-23252	7 x 5 x 21,5/20,5	
		L150-43301-83251		
		L150M-13251-13261		
		L160-33152		
		L225-13251,13261,23321		
		L240-13251,13261		
		L290-1325		
	Isuzu	5-81215-022-0/-023-0		
		5-81217-023-0		
		8-94156-593-0		
		8-94223-966-0		
		8-97037-173-0		
	Mazda	1456-24-532-/-539		
		S203-24-532		
		RF01-24-532		
	Nissan	23134-61501		
		23135-61501		
		23135-W1700		
		23134-Z9000		
		23135-Z9002		
		23135-99010		
		23142-80W00		
		23142-V2800/-V6600/-W1700		
	Subaru	49574-7101		
JAAX 37				12 Volt
P/N 0 1918 1				
2-JAA 37	Hitachi	L170-2325/-4325	8 x 5 x 26,5/25	
		L180-1325		
		L1110-1325		
	Nissan	23142-1P000/-19V01/-50Y05		
		23142-60U00/-64J00		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JAAX 39				12 Volt
P/N 0 1920 1				
2-JAA 39	Hitachi	L170-1325	8 x 5 x 18	
	Isuzu	8-9446-2850-0		
	Nissan	23142-58S00		
	Subaru	23735-KA000		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	LAX 9 **P/N 0 1550 1** 2-LA 9	Lucas	227305 USB 103 227304,261483	6,35 x 19,05 x 15,9	C39P,PV,V,ZV,XV
	LAX 23 **P/N 0 1553 1** 2-LA 23	Lucas	227541 USB 104 229252	5,5 x 19,05 x 18,2	C40PV,-1 22700,03-5,13,15,16,18,19,32,33,35,42,44,47-49, 55,57,63,65-67,71,72,75,79,80,85-91 12 Volt
	LAX 29 **P/N 0 1558 1** 2-LA 29	Lucas	54216361 USB 106 54214342,5421845	5,5 x 17,4 x 23	C40-T,22762 22756,58,61,62,64,69,83,92 12 Volt
	LAX 30 **P/N 0 1559 1** 2-LA 30	Lucas	54215076 ULB 109 54214363	7,9 x 4,6 x 17,9	10AC,11AC 23504,07,17-19,21-30,32-41,43,49,51, 53,58,77,78,88 23601 23710
	LAX 31 **P/N 0 1560 1** 2-LA 31	Lucas	54218706 ULB 108	4,6 x 4,6 x 12,7	15AC,16AC,17AC 23544,48,95
	LAX 31-32 **P/N 0 1561 1** 1-LA 31 1-LA 32	Lucas	54219368 ULB 110	4,6 x 4,6 x 12,7 4,6 x 4,6 x 12,7	15ACR,16ACR,17ACR,18ACR 23562,63,65-70,72,73,75,76,81-85,89-93,97-99 23600,2-6,9-20,22-27,29-32,34-56,58-68,73-80, 82,85-87,90-99 23700-9,11-19,21-23-31,34-43,45-48,50-71, 73-86,93-99 23800-20,22-28,30-33,35,37-57,59-65,67-69, 71-74,76-86,88-99 23900-58,61-64,67,68,72-74,80,87-95 24012-19,22,29-33,44,45,48,73 24103,8,39,40 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
LAX 33	Lucas	54218506		11AC
P/N 0 1562 1		ULB 107		23545,79,80
2-LA 33			7,9 x 4,6 x 17,9	23633
				12 Volt
LAX 80-81	Lucas	60600780		23983-86,96-99
P/N 0 1569 1		ULB 105		24020,23-28,34-38,49,51-54,58,59
1-LA 80			7 x 4 x 22/20	61-72,79,82,83,85-90,94-96,98,99
1-LA 81	54203641		7 x 4 x 22/20	24112,14-19,28,31-37,44,47,49,51,53,
				64-66,70,77-85,89-92
				24204,10,11,37
				A115/133 12 Volt
LAX 80-83	Lucas	60600779		23969-71
P/N 0 1571 1		ULB 104,106,113		24010,11,41,46,47,55,56,60,91-93
1-LA 80			7 x 4 x 22/20	24100-02,10,25-27,29,42,46,50
1-LA 83			7 x 4 x 22/20	A115, A133 12 Volt
LAX 82				A127
P/N 0 1570 1				12 Volt
2-LA 82	Lucas	54202906	7 x 4 x 22/20	
LAX 84-85	Lucas			A127I
P/N 0 1572 1				12 Volt
1-LA 84			7 x 4 x 22/20	
1-LA 85			7 x 4 x 22/20	
LAX 86				A127
P/N 0 1573 1				12 Volt
2-LA 86	Lucas	54390877	7 x 4 x 23	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JA-AX 40 **P/N 0 1908 1** 2-JAA 40	Mando Melroe		6,5 x 4,5 x 13,7/15	AR150CA 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JAAX 15				12 Volt
P/N 0 1904 1				
2-JAA 15	Melco	A648C01371	7 x 6 x 14,5 / 13,5	
	Mazda	4002-24-552		
	Nissan	23135-73010		
JAAX 16				12 Volt
P/N 0 1902 1				
2-JAA 16	Melco	A648C00570	7 x 6 x 14	
	Mazda	0208-24-522		
		2994-24-552		
	Mitsubishi	MD602458		
	Nissan	23135-14610-/-21010		
		23135-76200/-H0110		
JAAX 24				12 Volt
P/N 0 1910 1				
2-JAA 24	Melco	A647X00771,-10771	7 x 6 x 19,5 / 18,5	
		A648D01071		
		A648D01670,-01671		
		A648D02070,-02271		
		A649X04070		
	Citroen	JMTX 200		
	Mazda	0866-24-541		
		1011-24-541		
		8028-24-541		
		8173-24-522		
	Mitsubishi	MD602783		
		MD607373		
	Nissan	23135-P4510		
		23135-W7110		
		23137-Z9000		
		23137-Z9001		
	Peugeot	JMTX 200		
	Suzuki	31631-78432		
JAAX 25				12 Volt
P/N 0 1911 1				
2-JAA 25	Melco	A648C00471	7 x 6 x 18 / 17	
		A648C01270		
		A648C01271		
		A648C01570		
		A648D01070		
		A649T02971		
	Mazda	0290-24-556		
		0326-24-556		
		0706-24-556		
		0866-24-541		
	Mitsubishi	MD602018		
		MD602019		
		MD602226		
		MD602750		
		MD602797		
	Nissan	23135-A5510		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JAAX 31				12 Volt
P/N 0 1909 1				
2-JAA 31	Melco	A648D01970	7 x 6 x 23	
		A648D01971		
	Mazda	8599-24-522		
	Mitsubishi	ME700424		
		ME701186		
		MM502377		
		42752-03021		
	Nissan	23135-J5500		
		23135-W1710		
JAAX 34				12 Volt
P/N 0 1914 1				
2-JAA 34	Melco	A648C02970	8 x 5 x 18 / 16,5	
		A648D02570		
		A648D02571		
	Mazda	B675-18-W77		
		FE65-24-522		
		F811-18-W77		
	Mitsubishi	MD611035		
		MD611566		
	Nissan	23135-13E10		
	Subaru	49574-6404		
JAAX 36				12 Volt
P/N 0 1916 1				
2-JAA 36	Melco	A648D02770	8 x 5 x 23 / 21,5	Renault
		A648D03070		A4T ...
		A990D03070		
	Mazda	FE2H-18-W77		
		JE15-18-W77		
	Mitsubishi	MD611689		
	Nissan	23135-59E10		
		23135-64J12		
		23135-V5511		
JAAX 36 ST				12 Volt
P/N 0 1903 1				
2-JAA 36 ST	Melco	A647X50170	8 x 5 x 23 / 21,5	
		A647X50270		
		A647X50870		
		with spring and terminal		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	PLX 5 **P/N 0 1688 1** 2-PL 5	Pal Magneton	 ID 1924	 7,9 x 7,9 x 21	D 355-56 12Volt / 100W
	PLX 10 **P/N 0 1692 1** 2-PL 10	Pal Magneton	 443 930 132 780	 6,3 x 6,3 x 15	12 Volt
	PLX 11 **P/N 0 1693 1** 2-PL 11	Pal Magneton	 0131747	 5 x 8 x 17	443 113 516,620, 631,632,650 Skoda Favorit 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	RX 103 **P/N 0 1266 1** 2-R 103	Remy	1942360, 1971523 Brush holder: 1971521	8 x 5 x 13,2	10 SI, 27SI 12 Volt
	RX 103 E **P/N 0 1268 1** 2-R 103 E	Remy	7 982 543 Brush holder: 7982589	8 x 5 x 13,2	7982574,75 7982600,1,4,5,48,52,74,75,98,99 7982703-5,7,10,17,20,21,28,38-45, 747-53,58,59,62,63,66,78,87, 7982811,12,22,54,56,57,64,65,72-75,80 7982952,53,80,81,86,88 12 Volt
	RX 103 F **P/N 0 1267 1** 2-R 103 F	Remy	DR701,702 Brush holder: 3472316,19	8 x 5 x 13,2	34 72 002,4,8,14,18,22-24,26-28,32,33, 035,37,38,42,48-53,57-62,65-68 Opel 12 Volt
	RX 106 **P/N 0 1269 1** 2-R106	Remy	 Brush holder: 187 6873	8 x 5 x 24	27 SI 200 12 Volt
	RX 117 **P/N 0 1270 1** 2-R117	Remy	1995564, 10467935, 1894564 Brush holder: 1894559	6 x 5 x 22	10 SI 116,136 15 SI 116 12/24 Volt
	RX 119 **P/N 0 1262 1** 2-R119	Remy	 Brush holder: 1988986	8 x 5 x 21	17 SI all units 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
RX 132-133	Remy			CS 121,130
P/N 0 1290 1				1101196,1199,1551
1-R132		1989661	8 x 5 x 22,5	3472171 12 Volt
1-R133		1989660	8 x 5 x 22,5	Opel, Renault
		Brush holder: 1989651		
RX 140-141	Remy			CS 130D latest model
P/N 01263 1				10479214,15
1-R140			8 x 4,5 x 22	10479981,84
1-R141			8 x 4,5 x 22	10480052,71,187-190 12 Volt
				Opel, Chevrolet, Saab, Vauxhall
		Brush holder: 10475746		
RX 142-143	Remy			CS 130D
P/N 0 1261 1				10479914,23,47,55
1-R142			8 x 4,5 x 22	3493947 12 Volt
1-R143			8 x 4,5 x 22	Opel, Chevrolet, Saab, Vauxhall
		Brush holder: 10475011		
RX 144	Remy			22SI Series
P/N 0 1271 1				12/24 Volt
2-R144			8 x 5,4 x 47,9	
		Brush holder: 10492749		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PX 50	Valeo	073742, 182231		A13R3L,07,8,10L,T,11L,LT,12LT,13L,LT,14LT,15, 17L,LT,18T,20-22,24,26,28,29,30L,32L, 34L-45L,46LT,47LT,48,49LT,50LT,51L,52,53 54L-58L,59,60,61L,LT,62L,64L,65-70,71L, 72,75-77,79,91L,LT, 108-110,111L,LT,122,130,168,181 A16R17,20,20T,21T,22,23T,25,26,36T-39T,44T-46T, 49T,53T,57T,59T,60T 6-24 Volt
P/N 0 1710 1				
2-P 50		IP9	7 x 5 x 14	
PX 52-54	Valeo	075411		A11M3-7,9-14 / A11R1-3 A12M1-3,5-10,18
P/N 0 1712 1				
1-P 52		(8d) 8m84	7 x 5 x 19	A12R1-6,8-14,19-21,23,26-28,47-49
1-P 54		8m	7 x 5 x 19	A13M2-9,11-17
		Brush holder: 095788,095984,096026,096334		A13R63,073T,74,78T,80T-90T,92,95-99, 104,105,115-117,119-121,123-129, 131,134,135T,136-138,139T,140,141, 143-145,149-154,156,157,159,160, 162T,163T,166,167,169-172T,174-180, 183-191T,194-196,198,199,202,205, 210,212,213,215,219,223-225,235, 261,265 12 Volt
PX 56	Valeo	092669,092746,092850,096302,		A11R4
P/N 0 1715 1		300 686		A12R16,17,42
2-P 56		8d 84	7 x 5 x 19	A13R113T,173,182TE,201TE
		Brush holder: 092672,092743		A16R100-103,105,106,120-124,140,141,150-152, 160,161,180,190-194,200,210-212,220-222, 230-233,240,242,246,250,260-262 12/24 Volt
PX 58	Valeo			A13N4T,5T,11,21T,22T,61T,140T,174,190,255,257 A14N3T,28T,32T,39,104,114T,133,135,138
P/N 0 1717 1				
2-P 58			10 x 5 x 17	A14R33,39T
				12/24 Volt
		Brush holder: 300665, 300682		
PX 60	Valeo			A12R35T,57,58,351T A13N51,69,76
P/N 0 1719 1				
2-P 60			6,35 x 4,6 x 15,4	A14N19,37 A14R34T,54T,341T,541T-543T
		Brush holder: 300722		12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PX 61 **P/N 0 1720 1** 2-P 61	Valeo	2546443 Regulator: 593260, 593357	6,4 x 4,6 x 14,2	A14Vi19,20 2541873 2541916 24 Volt
SVX 7/9 **P/N 0 1781 1** 2-SV 7/9	Valeo	300 821 26607,26651,39A40103N, 71930103 Brush holder: Motorola 494487-494489 503001,006-009, 503019,025 Paris Rhone 092859,092967, 300796 SEV 71931093 Valeo 300796	6,4 x 4,6 x 14,5	Motorola 2518032-452 2940020-930 2941095-447 9AL2502K-6027K 9AR2500K-6095G SEV 7120,7121,7122,7123,7124... ., 7127,7129,7131,7133,7134... ., 7142,7147,7149,7152,7159... ., 7163,7164,7165,7177,7192... ., 7194,7197,7199... ., Valeo/PR A11Vi A12M9,11,15-17 A12R22,24,25,33,34,36,38,43-46,50, 52,53 A13E.. A13N1M,2M,6,7,10,12-15,17-20, 25-27,28M,29-32,33M,34,35M, 36M,38-43,46,47,49,50,52,53, 55M-59M,60T,64,65,66M,80-95,97, 104,106-114,116-121,123-130,133, 136-139,143M,144,146T,147M-149M, 150,151,152M,156-165,166M,167,169, 171-173, 175-183,185,186M,187,188, 236M,283M A13R203,218,220-222,230,231,242-245, 247,278,255,256,258-260,262,263, 266-270 A13V2,5,7 A13Vi... A14N1,2,4,9-14,16,18,22,23,29M,30M,31T, 35,36,38,40,42,50,53-56,59,60,62-65, 67,69-71,73,75-78,80,81M,82-86,88-93, 95,97,99,100M,101-103,106,107,110M, 113,115M-119M,121,122M,123-125, 128,130-132,134,137,140,141M,142, 151,196M,206M A14V... A14Vi10,11,13-18,22-25,27-31,35 12/24 Volt
SVX 10 **P/N 0 1782 1** 2-SV 10	Valeo	2521679E flex section 0,5 mm2 flex length 80 mm	6,4 x 4,6 x 14,5	A13V/Vi A14V/Vi 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
UX 71-72	Valeo	23268		7522BC,32ABCDE,34ABCDE
P/N 0 1320 1				12 Volt
1-U 71		23062	5 x 4 x 8	
1-U 72		23064	5 x 4 x 8	
UX 79-80	Valeo	608 272		7526C,27BC,28C,29BDEF,30B,31B,33BCD
P/N 0 1321 1		(611 641, 612 430)		7535B,38A,40ABC,41ABC,43AB,45A,48A,49ABCDE,
1-U 79			6 x 4,5 x 15	7550ABCDEF,51B,52ABCD,53AB,54A,55AB,56BC,
1-U 80			6 x 4,5 x 15	7557AB,58ABC,60ABC,62ABCDE,63AB,65ABCDE,
				7566ABC,67ABCDE,68ABC,69ABC,70AB,71ABC,72A,
				7575ABCDE,76A,77ABCDE,78ABC,79A,80ABC,81AB,
				7582A,83A,84BC,85ABC,86ABCD,90ABC,91ABCD,
				7593A,96ABCD,97ABCD,
				512 001A,2AB,3AB
				513 001A,2A,3AB,4A,5A,8ABC,9AB,10A,
				515 001A,2AB,3ABC,4AB,5A,
				581 003A,6A,9AB,10A,13AB,17A,89A,
				618 442C,43DEF,44CD,45B,46ABCD,47BC,48AB,
				618 449ABCD,50AB 12 Volt
UX 82-83/0	Valeo			12 Volt
P/N 0 1323 1				
2-U82-83/0		w/o. spring and terminal	6 x 4.5 x 15	
		replacement for Brush-Sets		
		UX 79-80, UX 82-83, UX 85		
UX 84	Valeo	581 092		7549G,69D,75DE,77GH,81C,84E,85D,86E,90D,97F,
P/N 0 1324 1				512 008BCDE,10ABC
2-U 84			7 x 4 x 15	513 001C,002C,004C,005B,009D,010D,011A,12A
				514 002A,4A,5BC,10A
				515 003C,5B,6A,9A,10A,13A,14AB,15A,16A,18A
				516 002ABC,3ABC,4AB,5A,12ABC,14A,21A,55A
				12 Volt
UX 87-88/0	Valeo			12 Volt
P/N 0 1327 1				
2-U 87-88/0		w/o. spring and terminal	7 x 4 x 15	
		replacement for Brush-Sets		
		UX 84, UX 87-88, UX 87-89,		
		UX 90, UX 90-91, UX 92, UX 93,		
		UX 94, UX 95, UX 96		

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BÜRSTENHALTER

BRUSH BOXES

PORTE-CHARBONS

	IKA-No.	Original	References	Unit-Nos.
	7 7166 1	Ford-Visteon	F1DU-10260AA F1DZ-10347A	3G - series Ford Mondeo Diesel
NEW	**7 7605 1**	Ford-Visteon		1S7T1-10300-BA,BC,CB,CC,CD,DB,DC,DD 2S6T-10300-AA,FA 2T1U-10300-AB,AD,AF,AG,CA,CB,CF 3S6T-10300-AA TC10-10300-EA YC1U-10300-EA Visteon 2015001010 Ford Connect, Focus, Mondeo

	IKA-No.	Original	References	Unit-Nos.
	7 7160 1	Remy	DR 701 3472316,-319	3472002,004,008,014,022-024, 3472002,026-028,032,033,035, 3472002,037,038,042,048-053, 3472002,057-062,065-068 Opel, Vauxhall
	7 7162 1	Remy	10472881 10473364 10490180 1989651	1101196,199,551 CS 121, CS 130 Opel, Vauxhall
	7 7163 1	Remy	10475011	3493947 10479914,23,47,55 CS 130D Chevrolet, Opel, Saab, Vauxhall
	7 7164 1	Remy	10475746	10479214,15 CS 130D latest model
	7 7174 1	Remy	1894559	10SI 1102918,1102922
	7 7177 1	Remy	10492749	22SI

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SCHLEIFRINGE

SLIPRINGS

BAGUES COLLECTRICES

SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2001 0	BOSCH Iskra Lada Marelli	1 124 304 007,009,011 1 124 304 022	17/32 x 22.3 mm	0 120 400 ... 0 120 489 ...
1 2002 0	BOSCH Iskra	1 124 303 000-003,005, 009-013,015-017, 021,024-031,035, 038 1 124 304 015 6 033 GD2 065,066	17/28 x 22.1 mm	0 120 300 510-519,522, 0 120 400 ... 0 120 469 ... 0 120 488 ... 0 120 489 ... 6 033 GB3 ...
1 2004 0	BOSCH	1 124 304 018	20/32.7 x 22.3 mm	0120 689 503,505-508, 510-514
1 2039 0	BOSCH	Compact Generators	7/14 x 52.1 mm	0 120 465,485... 0 123 ... 0 124 ... internal fan
NEW **1 2083 0**	BOSCH	Rotor No.: F 00M 312 012 F 00M 322 037	5.13/13.5 x 42.3 mm	0 121 615 001-003,005-009, 012,014,021,028 715 001
1 2030 0	DENSO	slip ring w/o. leaders	9/14.9 x 24 mm	101211-2370 102211-2780 internal fan

SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2047 0	DENSO	slip ring w. 2 leaders	7.9-8.75/14.9 x 24 mm	100211-0120,1331,1371,2151, -2200,3600,3800,3880, -4350
	Valeo			A13Vi 178,-202,-237
1 2049 0	DENSO Valeo	Copper Ring	13.1/15.8 x 9.8 mm	fits 1 2030 0 and 1 2047 0 fits 1 2020 0 and 1 2043 0
1 2010 0	FORD-VISTEON	slip ring	13.3/27 x 36.2 mm	3G series
NEW **1 2082 0**	FORD-VISTEON	slip ring	5/14 x 21 mm	1S7T-10300-BB,-BC,-DC,-DD
1 2012 0	HITACHI	slip ring	14/27.5 x 29.5 mm	LR170-715B,-716B,-717
1 2013 0	HITACHI	slip ring	17/35 x 28 mm	LR135-124

SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2096 0	HITACHI	slip ring	17/32.4 x 29.4 mm	LR160-154 LR1100-503,-B,-C
1 2040 0	LUCAS	UAB 102,104 54217372	ID 30 L 17 mm slotted type w. clip	ACR 23544,-A,-F,H 23548A,-D,-E 23562,-A,-B,-D 23563A,-B,-D 23565A
1 2041 0	LUCAS	UAB 100,101 54160288	9/25 mm	A115, A133 23969A,-B 23970A,-B 23971A 23983A 23984A
1 2044 0	LUCAS	slip ring	17/27 x 24 mm	A127 24145,24156-158,24161, 24169,24198-200,24203, 24206-208
1 2089 0	LUCAS Marelli	slip ring 83613401	6.8/16.7 x 46.5 mm	A115i,A127i
1 2017 0	MELCO	slip ring steel	12.5/23 x 28 mm	A1T ... A2T ...

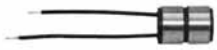
SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2037 0	MELCO Mitsubsihi	slip ring copper	12.5/23 x 28 mm	A1T02091,02291,04991, 40391,41291,41991, A2T04474,06577,06871, 42571,42599,43099
NEW **1 2045 0**	MELCO Mitsubishi	slip ring copper	13.6/23 x 28 mm	A3TA0791
1 2019 0	MOTOROLA USA Prestolite	112-22 12-22	10/25 x 22.4 mm	8LHA, LHB 8SA, SC MA12NDM451
1 2021 0	MOTOROLA	512-055	13.3/26 x 25 mm	
1 2022 0	MOTOROLA	512-003	18-20/32 x 22.5	
1 2023 0	MOTOROLA	512-004	17/32 x 22.5 mm	

SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2034 0	MOTOROLA	slip ring	15/26.5 x 22.6 mm	2940304,05,07,09,11, 71,74
1 2007 0	REMY	1989640	13.2/26.4 x 23.8 mm	1101196,1199,1551 CS 121,130
1 2035 0	REMY	92100510	12/22.5 x 24.4 mm	3472 002,004,008,014,018
1 2095 0	REMY	10475751 10479923	7.1/14.7 x 20.3 mm	10480190 CS 130D
1 2020 0	VALEO	slip ring O.E.-Style	6.8-8.9/14.9 x 48.3 mm	A11VI,A13VI 2542851 SG12B080
1 2025 0	VALEO	slip ring	17/30 x 28 mm	A13N,A14N

SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2026 0	VALEO	slip ring	15/30 x 27 mm	A13N,A14N
1 2027 0	VALEO	slip ring	17/30 x 27.4 mm	I.C. Alternator Ducellier
1 2031 0	VALEO Remy	slip ring with 2 leaders	17/30 x 28 mm	I.C. Alternator Ducellier A13N, A14N 15 SI
1 2042 0	VALEO	slip ring with stronger ground plate	17/30 x 29 mm	A13N, A14N
1 2043 0	VALEO	512006	6.8-8.9/14.9 x 27.8 mm with 2 leaders O.E.-Style = 1 2020 0	A11VI,A13VI w. internal fan TG11C014
				
1 2090 0	VALEO	2523992	17/29.5 x 37.5 mm	A13N2M
1 2091 0	VALEO	Copper Ring	27/30 x 8.95 mm	fits 1 2025 0 and 1 2026 0

SCHLEIFRINGE
SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2125 0	VALEO	Slip Ring 1 2025 0 + Insulator 1 2198 0 slip ring kit with insulator	17/30 x 28 mm	A13N, A14N
1 2198 0	VALEO LUCAS VALEO	Insulator fits Slip Rings: 1 2044 0 1 2025 0 1 2027 0		

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FREILAUFRIEMENSCHEIBEN

OVERRUNNING PULLEYS

POULIES ROUE LIBRE D´ALTERNATEURS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3515 1	Bosch	1 126 601 556	17 / 61 x 37,2	0 123 310 038	SEAT Arosa 1.7 SDI
		1 126 601 557		0 123 320 033,036,048	Skoda Felicia I,-Fun,-Combi 1.9D
		1 127 011 843	5 Grooves	0 123 325 006	Pickup 1.9 D
		F 00M 991 397	M16	KC(R) 70A,90A	VW Caddy 1.9 D Pickup
	VW	028 903 119 AP,-S		028 903 026 A,B	Lupo 1.7SDI
	INA	F-226556.4 /.5/.6/.7/.10		028 903 028 L,P	Polo 1.7 SDI, 1.9 D
3 3516 1	Bosch	1 126 601 559,564	17 / 61 x 40,95	0 123 310 034,035,039,049	Audi A3 1.9TDI
		1 127 011 844,845		0 123 320 031,032,037,059	Skoda Octavia,-Combi 1.9SDI, TDI
		F 00M 991 388	6 Grooves	0 123 505 018	VW Bora 1.6,-Variant/1.8,-T
	VW	028 903 165 A	M16	0 123 510 046, 047,099	Golf IV 1.9SDI/TDI, 2.3 V5
		038 903 119		0 123 515 018,021	New Beetle 1.9TDI
		038 903 165		0 123 525 001	Sharan 1.8T 20V
	INA	F-226804 /.4/.5/.7/.08/.09		KC(R) 70A,90A	SEAT Alhambra 1.8 Turbo
				NC(R) 120A, 150A	
				028 903 026 D	
				028 903 028 Q	
				038 903 023 G,-H,-J	
				071 903 023,-A	
3 3517 1	Bosch	1 126 601 565	17 / 55 x 40,15	0 123 320 038	SEAT Alhambra 1.9 TDI
		1 127 011 846		0 123 515 017,020	Cordoba,-Vario 1.9SDI, TD, TDI
		F 00M 991 389	6 Grooves	KC(R) 70A,90A	Ibiza 1.9 SDI/TDI
	Ford	6M21-10344-AA	M16	NC(R) 120A	Inca 1.7 D/1.9 SDI
		95VW-10344-CA,-FA			Toledo 1.9 TDI
	VW	028 903 119 AA,-AQ		028 903 026 G	VW Caddy 1.7SDI, 1.9TDI
		028 903 165 B		028 903 028 J	Golf III 1.9D, TD, GTD, TDI,-Cabrio
	INA	F-225355/ .3 /.4/.5		6K0 903 028	Golf IV Carbio 1.9 TDI
		F-225355.6 /.7/.10/.11		97VW-10300-EA	Polo Classic 1.7SDI, 1.9 SDI/TDI
				1076005	Polo Variant 1.7 SDI/1.9TDI
					Sharan/ Vento 1.9 TDI
					Ford Galaxy 1.9TDI
3 3518 1	Bosch	1 126 601 568	17 / 61 x 38,2	0 123 320 041,046	DB C200 / 220 D,-TD,T-Model
		6 033 GD5 036		0 123 510 038,049,080,101	C250 D,-TD,T-Model
		F 00M 991 391	6 Grooves	0 124 325 227	E200 / 220 Diesel
	DB	602 150 00 60	M16	6 033 G30 40B	E250 D,-TD,T-Model
		604 150 00 60		6 033 GB3 030,031,040	E290 D,-TD,T-Model
		604 150 03 60		KC(R) 90A / NC(R) 115A	E300 D,-TD,T-Model
	Valeo	593495		KCB1 90A	G 300DT, S300TD
	INA	F-225644.2/ .4 /.5/.6/.7		N1(R) 80A 24V	Sprinter 208,210,212,308,310,312D
		F-228215 /.01/.02/.03/.04		A13VI 222,302,305,310	408,410,412,512,612,812D
		F-561338		010 154 05 02	408,410,412,512,612,812D
				010 154 08 02	O812 Vario
		Replacement for 3 3544 1		010 154 48 02	Steyr Unimog U90, U100L

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3520 1	Bosch	F 00M 147 600 F 00M 147 737,801 F 00M 991 002,122 F 00M 991 206,284	17 / 61 x 40.95 6 Grooves M16	0 120 000 015 0 121 715 003,047,071 0 124 315 001,013,032 0 124 325 001,012,047,073, 083,101,130,131, 178 0 124 515 010,022,101,117 121,125 525 027,039,050,066, 067,090-092,098, 114,128,187 615 017,038 625 010,028 E4,E8 50-140A /M8,M8E 140A LI-X M2.5/ MP10,P10 180A SG 8 B013, -B027, SG 9 B015, -B078 SG10 B032, SG12 B015,-B090 TG11 C017 TG14 C011, -C015, -C016 021 903 026A, 028 903 028E 038 903 023K,L 045 903 023A,B,E 98VW-10300-CA,EA YM21-10300-CA 9517 033,-403,-413,-463,-463,-483 LR1120-701	Audi A2 1.2/1.4 TDI, 1.3 TDI 3L Audi A3 1.6/1.8 T/ 1.9TDI, -quattro TT 1.8T/3.2 Coupè, Roadster,-quattro Ford Galaxy 1.9 TDI, 2.8i 24V SEAT Alhambra,Altea,Arosa 1.4-2.0 T/TDI Cordoba,Ibiza,Inca 1.9 SDI/TDI Leon,Toledo 1.8/1.9 SDI/TDI Skoda Fabia 1.4 TDI/ 1.9 SDI,-Combi Octavia 1.6/1.8T/1.9 SDI/TDI,-Combi VW Bora 1.9TDI, 2.3, 2.8,-4Motion,-Variant Caddy 1.9/2.0 SDI/TDI California T5 1.9/2.0/3.2 TDI Caravelle T5 3.2 Crafter 2.5 TDI Golf IV 1.6/1.9/2.3 SDI/TDI,-Variant Lupo 1.2 TDI 3L/1.4 TDI Multivan T5 1.9/2.0/3.2 TDI New Beetle 1.9TDI, 2.0, Polo 1.4 TDI Passat 1.9/2.0 TDI,-Variant, -Variant, 3.2/3.6 FSI Polo 1.4i/1.6i/1.9 SDI, -TDI,-Variant Sharan, Touran, Transporter T5 1.9 TDI
	Valeo	593600, 593999			
	Hitachi	GD 214998			
	PAL Magneton	0138600,601			
	Toyota	27039-0D030			
	VW	021 903 119 G 022 903 119 A,C 028 903 119 AM 038 903 119 A,T			
	INA	F-227628/ .4 /.5/.6/.7 F-227628.10 /.11/.12 F-553470 /.01/.02/.05			
3 3521 1	Bosch	1 126 601 567 1 127 011 848 F 00M 992 711	17 / 61 x 35 5 Grooves	0 123 510 045 058 903 016D NC(R) 120A	Audi A6 1.8,-1.8T,-1.8T quattro A6 Avant 1.8,-1.8T,-1.8T quattro
	VW	058 903 119 C 058 903 165	M16		
	INA	F-226322.04 /.05 F-226322.07 /.12			
3 3522 1	Bosch	1 126 601 566 1 127 011 847 F 00M 991 390	17 / 61 x 35 5 Grooves	0 123 320 055 0 123 515 003 028 903 018 G	Audi A4 1.9 TDI,-Avant,-quattro VW Jetta IV 2.0i Passat 1.9TDI,-Syncro,-Variant
	VW	028 903 119 T 028 906 165	M16	028 903 028 KC(R) 90A / NC(R) 120A	-Variant Syncro
	INA	F-225653.3 /.4 /.5 /.8 F-225653.9 /.12/.13			
NEW **3 3523 1**	Bosch	1 126 601 588	17 / 70 x35	0 123 520 004	Audi A8 2.8,-quattro
	VW	078 903 119 G		078 903 016	
	INA	F-226321.4 /.5/.6/.12	6 Grooves M16	NC(R) 150A	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3524 1	Valeo	593492	17 / 55 x 44,4	A13VI202	DB A 160 CDI, A 170 CDI
	DB	668 155 00 15		SG9B039	
		668 155 07 15	5 Grooves	2542414A 90A	
	INA	F-226954 /.3 /.4/.5/.07	M16	437346, 439333	
3 3525 1	Bosch	F 00M 061 016	17 / 61 x 36,1	0 123 510 109	Chrysler Voyager III 2.5 TD
		F 00M 992 717		NC(R) 115A	Volvo 850, C70 I, S70, V70 I
	Volvo	940 432 8	6 Grooves	9442827	V70 II
	INA	F-227079.4 /.05/.06	M16		
3 3526 1	Bosch	1 127 011 861	17 / 73 x 40,1	0 123 520 014	VW California, Caravelle T4 2.5TDI
		F 00M 061 005		0 124 325 088	LT 28,35,46 2.8 TDI
		F 00M 147 736	6 Grooves	515 110	Multivan T4 2.5 TDI
		F 00M 991 095,308,394	M16	615 006	Transporter T4 2.5TDI
	VW	021 903 119 H, -K		90 /120 /150A	Volvo S60 2.4 D, 2.5 T
		074 903 119 E		VW 074 903 025L,S,T	S70 2.5 TDI
	INA	F-227820.4 /.5/.6/.7/.8		VW 074 903 026	S80 I + II 2.4 D, 2.4 T
		F-227820.9 /.10.12/.13/.14		Volvo 9442130, 9459093	V70 I 2.5 TDI
		Replacement for 3 3567 1			V70 II 2.4 D, 2.5 T
					XC70 2.4 D, 2.5 T
3 3527 1	Bosch	1 126 601 593	17 / 61 x 35	0 123 320 054	VW Passat 2.3 ,-4Motion,-Syncro
		1 127 011 857		0 123 510 091	Passat 2.3 Variant, -4Motion,-Syncro
		F 00M 147 723	6 Grooves	0 124 325 020	FIAT Ducato 2.3 D
		F 00M 991 044,377	M16	515 024	
	FIAT	9 949 580		KC/NC(R) 90 /120A	
	VW	038 903 119 L		KCB1/NCB1 90 /120A	
		071 903 119 B		071 903 016 C,D,G,H	
		071 903 165		FIAT 5040099780	
	INA	F-228618 /.4 /.5/.07			
		F-230846 /.1/.2/.3/.04/.05			
3 3528 1	Hitachi	GD2 15541	17 / 64 x 39,1	LR160-745	Nissan Patrol,Terrano 2.7 D
		L170G-25003		LR170-761B	Renault Master III 3.0 dCi 140
	Nissan	23150-2W200,-20A	7 Grooves	LR180-771B	Vauxhall Movano Mk I 3.0 DTi
	INA	F-228751.2 /.3/.06/.07	M16	LR190-745,-752	
				LR1130-702	
				23100-2W201	
				-VC 201	
				104210-4880	
3 3529 1	Bosch	1 126 601 597	17 / 55 x 39,15	0 123 320 051,065	DB C 200 CDI,-T / 220 CDI,-T
		F 00M 061 023		0 123 510 082,107,108	E 200 CDI / 220 CDI,-T
		F 00M 991 304	6 Grooves	0 123 520 023,025	Sprinter 208CDI,210
	DB	611 150 01 60	M16	KC(R) 90A / NC(R) 150A	CDI,213CDI,216CDI
		611 155 02 15		010 154 59 02	
	INA	F-228824.1 /.4 /.6 /.7		010 154 96 02	308CDI,311CDI,313CDI,316CDI
		F-228824.09 /.10/.11/.12		011 154 06 02	
				011 154 09 02	408CDI,411CDI,413CDI,416CDI
				011 154 12 02	Vito Bus 108,110,112 CDI 2.2l
				011 154 70 02	V200/220 CDI
				011 154 78 02	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3531 1	Bosch	0 122 1AA 4Z0	17 / 55 x 35,6	0 122 0AA 0B0,0C0	DB E200 CDI
		0 122 1AA 5L0		0 122 0AA 0R0	E220 CDI,-T
		0 122 1AA 7V0	6 Grooves	0 122 0AA 2A0	E270 CDI,-T
		F 00M 991 396	M16	NFB2 150A	ML 270CDI
	DB	611 150 03 60		000 150 05 50	
		611 155 00 15		000 150 06 50	
		611 155 04 15		000 150 17 50	
	Delphi	104 51570,-53582,-80403		000 150 25 50	
	INA	F-229363.3 /.5 /.6./.7/.9		000 150 28 50	
		F-559585 /.01			
3 3532 1	Valeo	593521, 593527	17 / 55,65 x 35,25	A14VI 35,41	Citroen 1.9D / 2.0 / 2.2D
	FIAT	9949520		437210, 439257	C5,C8,Berlingo,Jumper,Xsara,Xantia
	INA	F-229603 /.1/.4/.5/.10/.11/.14		57054F	Peugeot 2.0D
			6 Grooves	57055H,J	206,306,307,406,607,806
			M16	5705ER,GC	Boxer,Expert, Partner
				9621791480	FIAT Scudo 2.0 JTD, Ducato,Ulysse
				A004TF0091	Lancia Zeta
3 3533 1	Valeo	593514, 593554	17 / 55,40 x 39,8	SG12B017,071,096,097,110	Renault F9Q-Motor w. air condition
	GM	93190868		2542272E,2542653	Laguna I+II,Traffic II,Master II
	Opel	4417574	6 Grooves	4403540, 4411316, 4411318	Opel Movano, Vivaro 1.9 CDI, CDTI
	Nissan	23151-00Q0B		4430591, 4430595	Nissan Interstar, Primastar
	Renault	7700 426 849	M16	8200 162 474	Volvo S40 I 1.9DI , V40 1.9 DI
		8200 584 040		9316 0665,-0666,-1425,-1427	Mitsubishi Carisma 1.9 DI-D
	Volvo	8666126		9111540	
	INA	F-229643.3 /.4/.7/.10/.11		8 251 641, 8 602 806	
		F-556602 /.01		S30638577	
		F-560843			
3 3534 1	Ford	XW4U-10A352-AA	17 / 65 x 37	K801-18-300 AT,B,C,D	Ford Probe 2.5
		YM2E-10N356-AA		GY01 18 300 E	
		339 54 59, 339 54 61		A003TB1081	
	KIA	K801-18-W11	6 Grooves		KIA
	Mazda	GY02 18 330	M16		Mazda 626 IV Hatchback
	Melco	A628X91171			Mitsubishi
	INA	F-229974 /.4/.05			
3 3535 1	Denso	021040-0960	17 / 63 x 41.6		Jaguar S-Type
		021040-1140			X-Type
	INA	F-230051 /.2/.03	6 Grooves		
			M14		
3 3539 1	Denso	021040-0970	17 / 60.15 x 41.6	102211-0500	Volvo 2.0T,2.4T,2.5T
	Volvo	9 472 909		8 601 699	C70,S40,S60,S70,S80
		3078 2701	6 Grooves	9 459 077,-092	V40,V70 I+II, XC70
	INA	F-231108 /.02	M14	9 472 908	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3540 1	Marelli	8362516	17 / 65,50 x 37,4	A115 IM, A127IR	Alfa 145,146,156 1.9JTD
		85562751		608 159 53	Fiat Brava, Bravo, Multipla,Punto, 1,9JTD
		85562931	6 Grooves	633 212 45	Lancia Lybra 1,9JTD
	Fiat	9 948 225, 9 951 162	M17	633 213 15	
	INA	F-230866.4 /.5 /.7	short version of 3 5403 1	633 214 12,-97	
		F-230866.10 /.11		633 215 01,-06,-07	
3 3541 1	Bosch	F 00M 147 724	17 / 61 x 35	0 124 315 011	Audi A4 1.9 TDI,-Avant,-quattro
		F 00M 991 043,045		325 018,049	A6 1.9 TDI,-Avant,-quattro
		F 00M 991 378	5 Grooves	0 124 515 026,083	VW Passat 1.9 TDI,-Syncro,-Variant,-4M
	Valeo	593490		525 010,089	2.0 TDI,-Variant
	VW	022 903 119 B,-D	M16	615 021	
		028 903 119 AC		KCB1 70/90A, NCB1 120A	
		038 903 119 J,M		E8 140A, NCB2 150A	
	INA	F-225653.6 /.7/.10/.11		254 2232,2234A,2508	
		F-552699 /.01/.02/.03		SG 9B042	
3 3542 1	Bosch	F 00M 991 042,376	17 / 61 x 35	0 124 515 025	Audi A4 1.6,-Avant
		F 00M 147 722		NC(R) 120A / NCB1 120A	1.8,-Avant,-quattro,-T
	VW	038 903 119 P	5 Grooves	06B 903 016 B	A6 1.8T,-Avant,-quattro
	INA	F-226322.6 /.9 /.10/.11/.14	M16	058 903 016 D	
3 3543 1	Valeo	593493	17 / 61 x 44,4	2542347A	DB A 140, A 160 (M166)
	DB	166 155 02 15		A13VI 202,257 90A	A 170,A 190,A 210
	INA	F-230759.1 /.02/.05	5 Grooves	SG9B038	Vaneo
			M16	011 154 82 02	
				012 154 43 02	
3 3545 1	Bosch	F 00M 147 735	17 / 58 x 33,5	0 124 515 073	Porsche Boxster 2.7 / 3.2 S
		F 00M 991 105,305		525 021,057,107	Cayman 3.4 S
	Porsche	996 603 152 50	6 Grooves	NCB1 120 A, E8 140/150A	911 3.4 24V Carrera
		997 603 154 00	M16	Porsche 996 603 012 02	911 3.6 Carrera 4,-Cabrio,
	INA	F-233525 /.1/.04/.05		997 603 012 01,03	-Coupe´,-S
					911 3.6 Carrera Targa / Targa 4
					911 3.6 GT2, Turbo Cabrio,
					-Coupé,-S
					911 3.8 Carrera 4 S,-Cabrio
					911 3.8 Carrera S,-Cabrio,
					Targa 4S
3 3546 1	Valeo	593515, 593517	17 / 61 x 40,66	2542466B 120A	Renault Clio 1.4 /1.6
	Renault	7701 055 871		A13VI 207,285,289,292,297	Megane 1.4 /1.6
		7701 207 807	5 Grooves	SG10B019,-B032	Volvo S40 I, V40 Kombi
		7701 477 502	M16	SG12B055	
		8200 613 765		Renault 8200 054 588	
	Volvo	8 641 982		8251 635,-637,638,-640,-644,	
	INA	F-228881.2 /.3		646,-647,-648	
		F-556599 /.01		8602 185, 806	
				2542495A	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3547 1	Bosch	0 122 1AA 6K0	17 / 55 x 40,1	0 122 0AA 1P0	DB G 400 CDI
		0 122 1AA 8F0		NFB2 150A	ML 400 CDI
		F 00M 991 395	7 Grooves		S 400 CDI
	DB	628 155 00 15	M16	000 150 22 50	
	INA	F-230825.2 /.3/.04/.05			
3 3548 1	Bosch	F 00M 147 721	17 / 61,00 x 37,24	0 124 315 006,012	Seat Arosa 1.7 SDI
		F 00M 991 039,375	with distance ring	0 124 325 014,021	VW Lupo 1.7 SDI
	Nissan	A660C-300EX		KCB1 70A, 90A	Polo 1.7 SDI /1.9 D,-SDI
	PAL Magneton	0138620	5 Grooves	A002TB6481,-TC0981	Mitsubishi
	Renault	8200 113 636	M16	038 903 023P,T	
	Valeo			038 903 025A	
	VW	038 903 119 AB,-Q		8200 120 286, 8200 373 636	
	INA	F-230147 /.1/.2/.3/.04/.05		9517484	
		Replacement for 3 5316 1		SG12B038, 0124525028	
		Rubber Clutch Pulley		TG11C011	
3 3549 1	Melco	A628X91371	17 / 65 x 37	GY01 18 300 H,J	Mazda B-Serie V6 2.5 l
	Mazda	GY02-18-330A,-330B		BP8E-18-300, BP9E-18-300	626 IV 1.8/ 2.0 l
		GY02-18-W37Z	6 Grooves	FS05-18-300	MX 6 2.0i
	INA	F-229974.3	M17	OK29T-18-300	KIA Clarus
		F-232600 /.01/.02		A002TB1081A	Mitsubishi
				A003TB1081 A,B	
3 3555 1	Bosch	F 00M 991 090	17 / 61 x 32,6	0 124 315 020	Gol III /IV 1.9D
		F 010 LD1 120		325 041,076	Parati III /IV 1.9D
	VW	028 903 119 AJ	6 Grooves	F 010 LD0 205,206	Saveiro III /IV 1.9D
		377 903 015		KCB1 70A, 90A	
	INA	F-230209 /.2/.3/.04	M16	048 903 017A	
3 3556 1	Denso PS	72011-0740	17 / 64 x 34,5	OK552-18-300B	KIA Carnival (K V-II) J3 2.9TDI
	KIA	OK588-18-W11		OK553-18-300A	KIA Shuma
		37321-4X210	5 Grooves	OK554-18-300	Hyundai Terracan
	Hyundai	37321-4X300, -301			
	INA	F-231618.1/.2/.04/.05	M16	02131-9070 85A	
3 3557 1	Bosch	F 00M 991 099, 125	17 / 55 x 39	0 124 325 039,046,077,093,	DB C 200 /220 CDI,-T
		F 00M 991 190, 303		105,170,202	C30 CDI AMG,-Sportcoupè,-T
	DB	611 155 03 15	6 Grooves	515 061,064,084,091,	Sprinter 208,211,213,216,308,311,313
		611 155 05 15	M16	102,114,115,118	316,408,411,413,416,616 CDI
		611 155 07 15		615 015,018,019,025,	715 C Accelo
	Valeo	2549800		032,033,035,042	Vito 108,109,110,111,112,115 CDI
	INA	F-233197 /.1 /.2 /.3/.4/.5		625 006,020,022	Viano 2.0 /2.2 CDI
		F-559320 /.01		KCB1 90A/ NCB1/2 120A	
				012 154 17 02, -22 02	
				012 154 24 02, -46 02	
				012 154 54 02, -63 02	
				013 154 08 02, -10 02	
				013 154 13 02, -21 02	
				013 154 32 02, -34 02	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3558 1	Valeo GM VW INA	583516 93297735 03D 903 119 A F-233593 /.1/.2/.03/.04/.05	17 / 61 x 39,35 6 Grooves M16	03D 903 025D,E,H,J	Seat Cordoba, Ibiza IV 1.2 Skoda Fabia 1.2 VW Fox, Polo 1.2
3 3559 1	Valeo VW INA	593494 06B 903 119A F-234739 /.3 /.04 /.05	17 / 61 x 45,25 6 Grooves M16	SG12B047 SG14B010	Audi A4 1.6/ 1.8 T/ 1.8T quattro 2.0/ 2.0 FSI A4 Avant 1.6/1.8T/ 1.8T quattro 2.0/ 2.0 FSI A6 2.0 A6 Avant 2.0
3 3560 1	Bosch DB Delphi INA	1 126 601 580 F 00M 991 393 604 150 04 60 604 150 06 60 220682 F-226387/ .04/.05/.06 F-226387.07/.08 /.09/.10 F-239662/ .01	17 / 55 x 36,1 6 Grooves M16	0 123 320 049 0 124 510 072 KC(R) 90A / NC(R) 120A 010 154 64 02 010 154 65 02	DB 612D, 812D, O 812D (Vario)
3 3561 1	DB INA	906 155 03 15 906 155 13 15 906 155 21 15 F-230283 F-238215.01 /.02/.03 INA O.E. pulley Bosch supplies solid pulley as replacement	17 / 79 x 39,65 8 Grooves M16	0 120 469 115,117,118 NL1(R) 80A 24V 009 154 71 02 009 154 98 02 012 154 57 02 DAF 1516501R	MB Atego 1015,1017,-A,-AK,-KO,-L 1018,1023,-L,1214,-L, 1215,-L,1217,-KO,-L,1218, 1223,-L,1225AF,-F,1228,-L, 1315,1317,-A,-AK,-KO,-L, 1318,1323,-L,-LKO,1325AF,-F, 1328,-AF,-F,-L,1418,1517,-L, 1518,1523,-A,-AK,-KO,-L, 1525AF,1528AF,-F,-L,1718, 1725,1823,-AK,-K,-L,-LS, 1828,-A,-AK,-K,-L,-LS,2523L, 2528,-L,2628,-B,-K, MB Atego 711,712,714,-L715,-L, 717,-L,812,814,-L,815,-F,-L, 817,-F,-L,818,823,-L, 915,-AF,917,-KO,-L,918, 923,-L,925AF MB Axor 1828,2523,2528,2628,3028 MB Econic 1823L,1828L,2628L, Unimog U300,-400,-500,-5000 DB Vario 614D,615D,810DT,814D, 815D,-DA,818D O 814, O815
3 3563 1	Marelli INA	8362959 F-234359 /.2/.03 F-552016.01	17 / 61 x 35,26 6 Grooves M17	633 217 43 633 218 17 YCIT-10300-BB 115A	Ford Transit 2.3 16V

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3564 1	Denso	71011-0750 72011-0750	17 / 64 x 35.6 6 Grooves	02131-9110 37300-27010	Hyundai Elantra, i30, Santa Fe´ I+II, Sonata V, Tucson 2.0 CRDi
	Hyundai/KIA	37322-27010,-27012	M16	37300-27011	Kia Carens II, Cee`d, Cerato, Pro Cee`d, Sportage 2.0 CRDi
	INA	F-233970 /.02/.03/.04		120A	
3 3565 1	DB	906 155 07 15 906 155 14 15 906 155 16 15 906 155 26 15	17 / 61.8 x 45.5 long version 8 Grooves M16	0 120 468 143 469 120 6 033 G00 4BY 6 033 GB3 023 6 033 G30 82B DAF 1516480R Volvo 20402404 NL1 28V 100A 009 154 99 02 010 154 92 02 013 154 72 02	DB Actros 1831,-AK,-L,1832, 1835,-AK,-L,1836, 1840,-AK,-L,1841, 1843,-AK,-L,1844, 1848,-AK,-L,1850, 1853,-L,1854,1857L, 1858,2031,-A,2032, 2035,2036,2040,-A, 2041,2043AS,2044, 2048AS,2050,2053, 2054,2531,-L,2532, 2535L,2536,2540,-L, 2541,2543,-L,2544, 2548,-L,2550,2553,-L, 2554,2557L,2558, 2631,-L,2632,2635,-L, 2636,2640,-L,2641, 2643,-L,2644,2648,-L, 2650,2653,-L,2654, 2657,-L,2658,3231, 3236,3235,3236,3240, 3241,3243,3331,-A, 3332,3335,3336,3340,-A, 3341,3343,-A,3344, 3348,-A,3350,3353,3354, 3357,3358,4140,-A,4141, 4143,-A,4144,4148,4150 Axor 2635,3335,3340,3343, 4135,4140,4143 Citaro O 530,-G,-N3 Conecto G Travego 17 SHD
	INA	F-233834.1 /.2/.03 F-551359 INA O.E. pulley Bosch supplies solid pulley as replacement			
3 3568 1	Bosch	F 00M 391 160 F 00M 991 138,302	17 / 60 x 44,5	0 124 515 062,088 615 022,028	DB C 160 /C180 Kompressor,- -Sportcoupé, -T
	DB	271 155 00 16 271 155 01 15	7 Grooves M16	NCB1/NCB2 120A/ 150A SG12B062	C 200 CGI Kompressor,-Sportcoupè,-T C 230 Kompressor,-Sportcoupè,-T
	Valeo	593625		2542582B 120A	CLK 200 CGI Kompressor,-Cabrio, Coupé
	INA	F-232001.2 /.4/.6/.07/.08/.09		271 154 02 02 271 154 08 02	E 200 Kompressor,-T SLK 200 Kompressor Sprinter 216,316,516 1.8l
3 3569 1	DB	906 155 02 15 906 155 12 15 906 155 17 15	17 / 61.8 x 37.4 8 Grooves	0 120 468 145 NL1(R) 28V 100A 010 154 00 02	MB Atego 1015,1017,-A,-AK,-KO,-L 1018,1023,-L,1214,-L, 1215,-L,1217,-L,1218, 1223,-L,1225AF,-F,1228,-L, 1317,-A,-AK,-KO,-L,1318, 1323,-L,-LKO,1325AF,-F, 1328,-AF,-F,-L,1517,-L, 1518,1523,-A,-AK,KO,-L, 1525AF,1528,-AF,-F,-L, 1823,-AK,-K,-L,-LS,1828,-A, 1828AK,-K,-L,-LS,2523L, 2528,-L,2628,-B,-K MB Atego 712,714,-L,715,-L,717,-L, 812,814,-L,815,-F,-L, 817,-F,-L,818,823,-L,915,-AF, 917,-KO,-L,918,923,-L,925AF MB Axor 1823,1828,2523,2528,2628, 3028 MB Econic 1823L,1828L,2628L, Unimog U300,-400,-500,-5000 MB Vario 614D,615D,618D,810DT, 914D,-DA,815D,-DA,818D O 810,O 814,O 815
	INA	F-233834 F-238216 /.01 F-552296 INA O.E. pulley Bosch supplies solid pulley as replacement	M16 short version		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3573 1	Bosch	F 00M 147 764 F 00M 147 766 F 00M 147 907 F 00M 349 814 F 00M 991 171 F 00M 991 271	17 / 59 x 33.6 6 Grooves M16	0 121 615 009,021,028 715 024 0 124 525 035,126 615 027 NCB2 150A E8 150A LIX C2.5	Citroen Berlingo 1.6 HDi C2/C3 1.4/1.6 HDi,-Picasso,-Pluriel C 4 1.6 /2.0 HDi,-Coupè,-Picasso C5 1.6 /2.0 /2.2 HDi,-Break,-Tourer C8 2.0 /2.2 HDi Jumpy 1.6/2.0 HDi,- 1.9 Diesel
	FIAT	77362558		FIAT 9646065480 9646321880	Xsara 2.0 HDi,-Break,-Coupè, -Picasso
	INA	F-232369.4 /.5/.07/.08 long version of 3 5410 1		Ford 2S6T-10300-AA 6G9N-10300-ADA,-ADB -XA,XB,XC,YC 7G9N-10300-EA PSA 5705 AA,-AS 96 460 654 96 463 218 Volvo 30795169,8697585	Peugeot 206 1.6/2.0 HDi, 206 CC 207 1.4 /1.6 Hdi,-CC 307/308 1.6/2.0 Hdi,-Break,-CC 407 1.6 /2.0 HDi,-SW 607 2.0 HDi / 807 2.02 /2.2 HDi Expert 2.0 Hdi, 1.9 Diesel Partner 1.6 HDi FIAT Scudo 1.9D / Ulysse 2.0 16V JTD Lancia Phedra 2.0/2.2 16V JTD Ford Galaxy/S-Max 2.2 TDCi, Mondeo 2.0 BMW Mini Cooper,-Clubman Landrover Freelandeer II 2.2Td4 Volvo S80/V70 2.05
3 3574 1	DB	906 155 08 15 906 155 15 15	17 / 79 x 43.95	0 120 469 119 6 033 GB3 010,083	MB Atego 1015,1018,1022,1215, 1218,1222,-L1318,1322, 1518,1522
	INA	F-230283.1 /.2/.03 F-240423 INA O.E. pulley Bosch supplies solid pulley as replacement	8 Grooves M16	NL1 28V 100A 010 154 89 02 013 154 71 02	MB Atego 715,815,818,822,915, 918,922 MB Axor 1833,2533,2633, MB Citaro O 530,-GN3,-GNUE3,-K, O 530 N3,-lang,-UESTRA, O 530 NUE3,-UE O 530 low entry MUE MB Cito O 520 MB Econic 2628L MB Conecto, O 345 MB Integro,-L,-M, Intouro MB Tourino O 510 MB Travego O 580, 17SHD Unimog 3000,-4000,-5000 MB Zetros 1833,2733
3 3576 1	Bosch	F 00M 991 016,061 F 00M 991 156,232 F 00M 991 265 F 00M 147 716,760,799	17 / 61 x 37.8 6 Grooves M 16 left	0 124 515 019,054 525 014,029,060 625 003,024 NCB1 120A	Volvo C70 2.0/2.3/2.4,-T,-Cabrio,-Coupè S40 I 1.6/1.8/2.0,-Z S60 2.0, 2.3T, 2.4,-D,-T,Bi-Fuel, R S70 2.0-T,2.3/2.4/2.5,-Bi-Fuel
	Volvo	8 676 497, 9 459 747 30667878, 30737517		E8 140A / P10 160A 3065 8085, -8087	S80 I 2.0T, 2.4, -Bi-Fuel AWD V70 I+II 2.0T, 2.4, 2.4D, 2.4T,2.5D
	INA	F-230401 /.6/.7/.8/.09 F-552923 /.01 F-553099/ .01 Replacement for 3 3536 1		3066 7787, -7788,-7894,-7895 8601 841 8602 276,-343,-629,-710,-714, 8603 262, -265	XC70 2.3T,2.4D5,2.5T XC90 2.5T, D5
3 3577 1	Bosch	F 00M 991 108 F 00M 991 266 F 00M 147 732	17 / 61 x 35.6 6 Grooves	0 124 515 059 525 009,088 615 009	Audi A3 1.8 FSI,-Sportback A4 1.6,-Avant 1.8T.-Avant,-Cabrio,-quattro
	Valeo	593778	M16	NCB1 120A NCB2 150A	2.0,-Avant,-Cabrio,-(T)FSI,
	VW	06B 903 119 B, -D		E8 140A M8E 140A	-quattro
	INA	F-231142 /.1/.05/.08		SG12B075, SG14B016 06B 903 016 AB,P,Q	A6 2.0, Avant 2.0

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3578 1	Denso INA Jeep	021040-1060 F-234065 F-558553 05019860 AA	17 / 55 x 41.15 8 Grooves M14	121000-3490	Jeep Grand Cherokee II 3.1 TD
3 3579 1	Valeo FIAT PSA INA Volvo	593832 776 634 68 5705.4F F-236591.1/.02/.04/.06 3128 5818	17 / 59 x 38,3 6 Grooves M16 fitting measure 16.0 mm	SG10B048 TG 9B026, TG10B013 TG15C020, -C028 A13VI251	Citroen Berlingo, C2, C3, C4, C5, C6,C8,Jumpy, Xsara 1.4,1.6,1.9.,2.0,2.2D FIAT Ducato, Scudo, Ulysse 1.6,1.9,2.0,2.2 D Lancia Phedra 2.0,2.2 D Peugeot 1007,107,206,207,3008,307,308 406,407,5008,607,807, Boxer Expert, Partner 1.4,1.6,1.9,2.0, 2.2D
3 3580 1	Bosch Valeo FIAT GM Opel Suzuki INA	2 008 600 022 593860 773 627 21 93178273, 93192631 1204392, 1204517 31771-85E00-000 437504 F-237101.1/.02/.03/.04 Replacement for LITENS 3 5301 1	17 / 59 x 38,1 6 Grooves M16	0 124 225 063 M2E 100A TG8S012,013,016 TG9S010,015,016,021,022,0 27 2542670B,2542851,2542884 437474,437497,437503,4395 05 46823546, 46823547 51718499, 51784845, 51784847, 51787208, 51787209, 51805800, 51805803, 55185075 6204180, 6204181 6204258, 6204283 13117278, 13117279 13222935,13256932	FIAT 500, Doblo, Fiorino, Idea Linea, Panda, Punto, Strada Lancia Musa, Ypsilon Opel Agila, Astra H, Combo, Corsa C+D, Meriva, Tigra Suzuki Ignis II, Splash, Swift III 1.3 D
3 3581 1	Valeo GM Nissan Opel Renault Volvo INA	593516 93190867 23151-00Q0A 4417573 8200 584 039 31251073 F-234637 /.01/.03/.04	17 / 53.3 x 38,25 5 Grooves M16	SG12B050,095,108,116 2542523 437208,437351 439292,439341 8200 022 774, -086 130 8200 162 474, -495 302 8200 538 407, -538 815 8200 590 255, -690 199 8 602 356 23100-00QAL,QAU,QBG S883627 9316 0666, -1424 9319 1541	Renault Motor F9Q 1.9 DTI Laguna II, Traffic II, Master II Mitsubishi Space Star, Carisma Nissan Interstar, Primastar Volvo S40, V40
3 3582 1	Valeo INA	593782 F-237481 /.01/.02	17 / 65 x 38.15 6 Grooves M16	TG12C013,015,016 439483 Ford 2S7T-10300-AA	Ford Mondeo III 2.5, 3.0 ST 220, Motor 14V6

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3583 1	Hitachi	L1110G-7500	17 / 56.5 x 40.6	LR1100-734	Nissan Altima 2.0/2.5 GDI
		L1110G-25001	6 Grooves	LR1110-713,-B,-V	Primera 2.0
		GD2 16009	M16	LR1110-717	X-Trail 2.0/2.5
		GD2 16092,-093,-099		23100-AU400	
	Nissan	23151-6N200,-20A,-20B			
	INA	F-232288.1 /.02/.03			
3 3584 1	Bosch	F 00M 991 142,273	17 / 53.3 x 33.6	0 124 325 072,087,116	BMW 116i, 118i, 120i
		F 00M 991 918		KCB1 90A	316 Ci-Coupé, 316i,-Touring
		F 00M 147 747,913	6 Grooves	E4 110A	316ti Compact
		0 124 A00 238	M16		318 Ci Cabrio, -Coupé, 318i,-Touring
	BMW	12 31 7 516 099			318ti Compact
		12 31 7 552 352			Z4 2.0i
	INA	F-236566 /.01/.02			
3 3586 1	Valeo	593527,593907	17 / 58.75 x 32.6	A14VI41,48,49	Citroen C5,C8, Evasion, Jumper
	FIAT	773 633 03		SG15S018,019,022,024,025	Jumpy, Xsara
		9949627	6 Grooves	2542500	FIAT Ducto, Scudo, Ulysse
	INA	F-229603.2 /.3 /.6/.7/.8/.9	M16	96408 787 80	Lancia Phedra
		F-229603.12 /.13/.15/.16			Peugeot 206,307,406,607,806,807
	Suzuki	31771-68D00		PSA 2.0D, DW 10/12 150 A	Boxer, Expert
		31771-68D01			Suzuki Grand Vitara
					2.0/2.2/2.3 HDI/JTD/TD
3 3587 1	Bosch	1 126 601 572	17 / 61 x 35.7	0 123 320 047,062	DB Vito 108 D / 110 D 2.3
		F 00M 991 392		0 123 510 058,075,102	V 230TD
	Delphi	211242, 220681	6 Grooves	0 123 520 010	Ssang Yong Muso, Korando 2.5 / 2.9
	DB	604 150 01 60	M16	KC(R) 90A	Hyundai 2.5 / 2.9
		604 150 05 60		NC(R) 115A,143A,150A	
	Valeo	2655139		011 154 05 02	
	INA	F-225643.1 /4/.5/.6/.7/.8			
		F-225643.9 /10/.11/.12/.13			
		Replacement for 3 3519 1			
3 3589 1	Valeo Korea	2655703	17 / 74 x 40.8	AF 111393	Hyundai Startex
	Hyundai	K406701		TA000A48201	KIA Sorento
	KIA	37322-4A000,-001	7 Grooves	37300-4A001-003	
	INA	F-232774.1 /.03/.04/.05	M16	37300-4A110-112	2.5 CRDi
3 3590 1	Ford	1S7U-10A352-DB,-EA	17 / 59 x 36.75	1S7T-10300-CB,CC,CD	Ford Mondeo III 1.8/2.0
	INA	F-232854.3 /.06			
		F-556615	6 Grooves		
			M16		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3591 1	Bosch	F 00M 147 746,914 F 00M 349 820,898 F 00M 391 122,157,159 F 00M 991 141,301 F 00M A47 701	17 / 53.3 x 33.6 6 Grooves M16	0 121 615 010 715 012 0124 515 098 525 042,045,048,049, 059,083	BMW 116 i 1.6 l 118 i.-Cabrio 2.0 l 120 i,-Cabrio,-Coupe 2.0 l 125 i Cabrio,-Coupe 3.0 l 128 i Cabrio,-Coupe 3.0 l
	BMW	12 31 7 516 103 12 31 7 552 353 12 31 7 560 483		NCB1 120A E8 150A M8E 155A H7P 150A	130 i 3.0 l 316 i 1.6 l 318 i ,-Touring 2.0 l
	INA	F-236528 /.01/.02/.03/.04/.06/.07		14M2.5 12 31 7 532 965	320 i ,-Cabrio,-Coupe,-Touring,-si 2.0 323 i,-Cabrio,-Couoe,-Touring 2.5 325 i,-Cabrio,-Coupe,-Coupe xDrive 325 i Touring,-Touring xDrive 2.5/3.0 325 i xDrive,-xi,-xi Coupe,-xi -Touring 2.5/3.0 328 i,-Cabrio,-Coupe,-Coupe xDrive, -Touring 328 i Touring xDrive,-xDrive, 328 xi,- Coupe,-Touring 3.0 l 330 i,-Cabrio,-Coupe,-Coupe xDrive, -Touring 330 i Touring x-Drive,-xDrive 330 xi,- Coupe,-Toruing 520 i 523 i,-Touring 525 i,-Touring,-Touring xDrive,-xDrive 525 xi.-Touring, 528 i .-xDrive,-xi 530 i,-Touring,-Touring xDrive,-xDrive 530xi,-Touring, 630 i ,-Cabrio X1 xDrive 25i,-xDrive 28i X3 2.5 si,-3.0i,-3.0si X3 xDrive 20i,-25i,-28i,-30i X5 3.0si,-xDrive 30i Z4 2.0 i
3 5302 1	Denso		17 / 53.3 x 40	104210-3180 -3370	Isuzu 3.0 Diesel Renault Vel Satis, Expression,Privilège Espace IV Initiale 2.0 16V Turbo
	Isuzu	8-97229-366-0 8-98033-736-0	 6 Grooves		
	Opel	97 229 366	M14		
	Saab	53 40 393			
	Renault	77 01 066 401			
	INA	F-228411.2 /.04			
3 5307 1	Valeo	593539 / 593904 / 595203	17 / 53.3 x 38.25	SG11B010 SG12B065	BMW 130i 316 i/Ci/ti, 318d
	BMW	12 31 7 516 105 12 31 7 536 960 12 31 7 550 001 12 31 7 570 152	 6 Grooves M16	SG14B017 90-140A	320d, 325i/xi, 330i/xi 523i, 525i/xi, 530i/xi 630i 730i/Li
	INA	F-230329.02/.04 F-238005 /.02			Z4 2.0i
3 5308 1	Denso		17 / 63.4 x 38.3	102211-2760	Toyota Avensis 2.0D-4D
	Toyota	27415-27011		104210-3050,-3051,-3250,	Corolla 2.0D-4D
	INA	F-570753 replacement product 3 5421 1	 5 Grooves M14	-3251,-3252,-3431 27060-27090	Previa 2.0D-4D RAV4 2.0D-4D 4WD

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5309 1	Bosch	F 00M 147 767,957	17 / 53.3 x 34.65	0 124 325 096	Renault Laguna II,-Grandtour 1.9 DCI
		F 00M 991 178,314		0 124 525 047	VW Eos 2.0 FSI,-TFSI
	INA	F-238120 /.01/.02	6 Grooves	E4 110A E8 150A	Golf plus 1.6
			M16	06F 903 023 G,-GX	
3 5310 1	Bosch	F 00M 147 806,976	17 / 59 x 40.6	0 124 425 013,029	Renault Clio II 1.5 DCI
		F 00M 991 217,326		525 069	Clio III, -Grandtour 1.5 DCI
	INA	F-550213.01 /.03/.04/.07/.10	5 Grooves	E6 120A, E8 150A	Modmodus 1.5 DCI
			M16	82 00 360 480,481	Thalia II 1.5 DCI
3 5311 1	Bosch	F 00M 991 133	17 / 54 x 40	0 120 000 033	Opel Signum 3.0 V6 CDTI
		F 00M 991 189		0 124 525 019,046	Vectra 3.0 CDTI,-Caravan
		F 00M 147 738	6 Grooves	E8 140A	Saab 9-5 3.0 TiD,-Kombi
	GM	93 175 986	M16	5350087	
	Opel	1204378		13125525	
	Saab/Scania	5340393, 5543814		93175988	
	INA	F-234563.1 /.2/.03 /.04			
3 5312 1	Bosch	F 00M 349 826	17 / 55 x 39.1	0 121 715 011,015	DB CLS 320 CDI Coupè
		F 00M 391 110, 146		813 020	E 280 CDI,-4matic,-T
		F 00M 991 110,157	7 Grooves	0 124 625 004,017	E 300 BlueTec
	DB	628 150 00 60	M16	E10 200A, M10E 206A	E 350 BlueTec,-T
		642 150 00 62		H8P 180A	E 350 CDI ,-4matic,-T
		642 150 08 60		000 150 19 50	E 320 CDI,-4-matic,-T
	INA	F-236127		000 150 22 50	E 400 CDI, G 400 CDI
		/.01/.02/.03/.04/.05/.06		013 154 64 02	ML 400 CDI, S 400 CDI
				013 154 70 02	R 280 CDI,-4matic
				014 154 13 02	R 320 CDI 4-matic
				628 154 01 02	S 320 CDI,-4matic
3 5313 1	Bosch	F 00M 147 761	17 / 61 x 34.9	0 124 615 026	Porsche Cayenne 3.2
		F 00M 991 167,282		NCB2 150A	VW Touareg 3.2 / 3.6 FSI
	VW	021 903 119 J,-L	7 Grooves	021 903 026 B	
	Delphi	10493077	M16	955 603 017 00	
	Hitachi	GD1 15070			
		GD2 17756			
	Porsche	955 603 152 00			
	INA	F-235449 /.2/.03/.04/.05			
3 5314 1	Bosch	F 00M 349 827	17 / 55 x 35.6	0 121 715 029	DB C 200 CDI,-Eco,-Sportcoupè,-T-Model
		F 00M 991 181		0 124 625 014,019,033,045	C 220 CDI,-Sportcoupè,-T-Model
		F 00M 991 255	6 Grooves	E10 200A / H8P 180A	CLK 220 CDI
	DB	646 150 02 60	M16	012 154 98 02	E 200 CDI
		648 155 00 15		013 154 00 02 / 59 02 / 90 02	E 220/270/280/320 CDI,-T-Model
	INA	F-235968 /.01/.03/.05		014 154 07 02	S 320 CDI,-T-Model
		F-235968.06 /.07/.08/.09			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5317 1	Denso Italy		17 / 63 x 36.18	Ford Focus 1.8 D	fits Shaft Decoupler Assy. 3 3593 1
	Ford	5M5Q-10344-AA 5M5Q-10344-AB	6 Grooves		Ford 5M5Q-10344-AA, AB
	INA	F-233608.1 /.02/.03	M17		see chapter Isolator Decoupler Pulleys LITENS
3 5318 1	Bosch	F 00M 391 119 F 00M 991 300	17 / 76 x 33.6	0 121 615 013,025,026,029 715 004,033	VW California T5 2.5TDI,-4 Motion Caravelle T5 2.5 TDI,-4 Motion
	VW	070 903 201 C,-E	no Grooves	0 124 615 031	Multivan T5 2.5 TDI.-4 Motion
	INA	F-237653	M16 w/o. dust cap	625 013,018 NCB2 150A, P10 180A 070 903 024,-A,-B,-F,-G,-H 3D0 820 805E 740 820 805E,F	Touareg 2.5 TDI Transporter T5 2.5 TDI,-4 Motion Climate Compressor 2.5 l Model AXD,AXE,BLJ
			for complete assy. with	Eurogrip coupling EG1 see pulley kit Replacement for NSK Pulley	3 5401 1 3 5407 1
3 5319 1	MAKO	83653301	17 / 61 x 35	2CIT-10300-BA	Ford Transit FT 330 K,L,M 2.0/2.4
	INA	F-237045 /.02	7 Grooves M17	105A	FT 350 EL,L,M 2.0/2.4 FT 430 EL,L,M 2.0/2.4
3 5320 1	Melco	JK58A-01636A	17 / 59 x 40.6	8200 399 801	Dacia Logan, Sandero
	Renault	82 00 399 801			Nissan Kubistar
	INA	F-550379 /.01/.03	5 Grooves M16		Renault Clio II, Kangoo, Thalia 1.5 dCi
3 5323 1	Bosch	F 00M 991 204,283 F 00M 147 800	17 / 55 x 34.6	0 124 525 038,074,093,188 0 124 525 200,201,222,223	Audi A3 1.4 TFSI, -Sportback SEAT Altea,-XL 1.4 TSI
	VW	03C 903 119 A,-C,-F	6 Grooves	E8 140A/150A	Ibiza 1.4 FSI,-Cupra,-Sportcoupe
	Valeo	2602484	M16	M8E 140A	Leon 1.4 TSI
	INA	F-240139 /.01/.02/.03/.04/.05		03C 903 023 A,-AX,-S,-SX 03C 903 025 F,-FX,-J 03F 903 023 D,-DX,-F 2543291 TG11V048	Skoda Octavia 1.4 TSI,-Combi Superb 1.4 TSI,-Combi Yeti 1.2 TSI VW Eos 1.4 TSI Golf V 1.4 TSI,-Variant Golf VI 1.2 TSI,- Variant Golf VI 1.4 TSI Golf VI 1.6 TDI Variant Golf VI 2.0 TDI Variant Golf Plus 1.2/1.4 TSI Jetta 1.4 TSI Passat 1.4 TSI,-Variant Passat 1.6 FSI,-Variant Scirocco 1.4 TSI Tiguan 1.4 TSI Touran 1.4 TSI

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW **3 5324 1**	Bosch	F 00M 147 808 F 00M 991 218,285	17 /61 x 37.24	0 124 525 102,215 E8 / M8E 140A	Audi RS3 2.5 TFSI Sportback quattro > 01/2011
	VW	07K 903 119 07K 903 119 A	5 Grooves M16 right	07K 903 023 A,-F,-FX	Audi TT 2.5 FSI Coupe quattro Roadster quattro > 07/2009
	INA	F-240138 /.01/.02/.03			
3 5326 1	Bosch	F 00M 147 807,831,936 F 00M 991 216,231,293	17 / 53 x 36.8	0 124 425 018,074 525 076,137,192	Nissan Interstar 2.2/2.5 Diesel Turbo Primastar 2.5 dCi 150
	INA	F-238512.02 /.03/.05/.06	7 Grooves M16	E6 120A , E8/M8E 150A 82 00 251 006 / 82 00 356 669 82 00 660 022 / 82 00 726 639	Renault Laguna II,-Grandtour 1.9 DCI Megane II,-Cabrio,- -Grandtour 2.0 DCI Scenic II 2.0 DCI Traffic II 2.5 dCi Mazda 6 1.8/2.0/2.3
3 5327 1	Bosch Chrysler	F 00M 991 252 051383490AA 053034049AA	17 / 62.7 x 36.1 8 Grooves	0 124 525 105,129,154,156 NCB1 132A E8 132A	Chrysler Dodge
	INA	F-556234.01 /.02	M16		
3 5328 1	Hitachi Delphi GM Opel	GD2 18089 10511026 97186700 1204158 1204366 62 04 889	17 / 64 x 39.6 6 Grooves M16 fitting measure 19.0 mm	LR1100-503,-B,-C LR1100-508,-B,-C,-F LR1110-508 Isuzu 8-97189-113-3,-4,-5 110A Opel 9317 5799,-5944 9718 9113 DRA3794N	Honda Civic Isuzu Opel Astra G/H Combo Corsa C Meriva Diesel 1.7 CDTI
	INA	F-232353 /.01/.03 F-240113 /.01			
3 5331 1	Visteon INA	VP2PSU-10A352-BA,-CA F-235492 /.2 F-556614	17 / 59 x 39.4 6 Grooves M16		Ford Fiesta V 1.7 TDCi Fusion 1.7 TDCi Mazda 2 1.7 CD PSA 1.4 Diesel
3 5332 1	Melco Mazda	A628X92171 LF18-18-330 LW18-18-W11 LF18-183-30A	17 / 59 x 36.6 6 Grooves M17	A003TG0081,-A A003TG2881 LF18-18-300	Mazda 3 1.6 6 1.8/2.0/2.3
	INA	F-238163 /.01/.02/.03/.04			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5333 1	Valeo Renault INA	595226 82 00 489 514 F-236675.02 /.03/.04	17 / 52.63 x 40.8 7 Grooves M16	SG15L07 TG15C058,-091,-125	Nissan Primastar 120/90 dCi Qashqai 2.0 dCi X-Trail 2.0 dCi Opel Vivaro 2.0 CDTI Renault Espace IV 2.0 dCi Grand Scenic III 1.9 dCi Laguna II/III 2.0 dCi Megane CC/II/III 1.9/2.0 Scenic III 1.9/2.0 Trafic II 2.0 dCi Vel Satis 2.0 dCi
3 5334 1	Bosch DB INA	F 00M 349 829 F 00M 391 105,145 629 150 01 60 F-239992 /.01/.02/.03	17 / 55 x 39.95 8 Grooves M16	0 121 715 013 0 121 813 004,005 H8P 180A H10P 220A 629 150 00 50 629 150 04 50	DB E 420 CDI GL 420 CDI 4matic ML 420 CDI S 420 CDI
3 5335 1	Bosch DB INA	F 00M 349 828 F 00M 391 104,144 629 150 00 60 F-239356 /.01/.02/.03	17 / 55 x 43.4 8 Grooves M16	0 121 813 003 LI-X H3.1 220 A 013 154 09 02	DB GL 320 CDI ML 280 /320 CDI R 280 /320 CDI 4matic S 320 CDI, -4matic
3 5336 1	Bosch Volvo INA	F 00M 349 810 F 00M 391 112,138 30667610 F-553393/.01	17 / 64.3 x 34.6 6 Grooves M16	0 121 615 006 H7P 150A 6G9N-10300-ABA,ABB,ABC 1379699,1388002 30667295, 36000220	Ford Galaxy 2.0i Mondeo IV 2.0, -Turnier S-Max 2.0i Volvo S80 II 2.0B, -Flexifuel V70 III 2.0B, -Flexifuel
3 5337 1	Bosch Volvo INA	F 00M 349 813 F 00M 391 113,139 30667682 F-553392 /.01	17 / 58.4 x 40.62 5 Grooves M16	0 121 615 005 715 008 H7P 150A / H8P 180A LI-X M2.5 180A 30667118,119 36000037,038 6G9N-10300-HA,HB,HC,HD, JB 10399-HB 1379701,1388004	Ford Mondeo IV 2.5, -Turnier S-Max 2..5 Volvo S80 II 2.4D, -2.5T, -D5, -D5 AWD V70 III 2.4D, -2.5T, -D5, -D5 AWD XC70 II D5
3 5338 1	Bosch Toyota INA	F 00M 349 878 F 00M 391 108,121,125 27415-0L020 27415-0L040 F-556174.01	17 / 62.7 x 37.7 7 Grooves M16	0 121 615 003 0 125 711 018 F 000 BL0 639 EL7 150A H7P 150A B3-110-156A AC1T-10300-CA	Ford Transit FT 300,330,350,430,460 TDCI 2.4/3.2 l Land Rover Defender 90,110,130 2.4 Td4 Toyota Hilux II+II 2.5/3.0

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5339 1	Bosch INA	F 00M 991 186 F-238918.01/.02 item cancelled by INA limited stock	17 / 59 x 34 5 Grooves M16	0 124 515 112 NCB1 120A 51705863	FIAT Palio 1.8 MPI 8V Palio Weekend 1.8 MPI 8V Siena 1.8 MPI 8V Strada 1.8 MPI 8V
3 5340 1	Bosch INA	F 00M 147 821,956 F 00M 991 219,313 F-550213 /.02/.08/.09/.11	17 / 59.7 x 40.6 6 Grooves M16	0 124 425 037,071 525 081,082,139,140,208 F 000 BL0 407,628 E6 120A, E8 150A, M6E 150A M8EON 150A, B3 90/110A 82 00 390 667,675,676 82 00 660 033,034 82 00 728 292	Renault Clio III 1.4 /1.5 DCI /1.6 Clio III Grandtour 1.4 /1.5 DCI /1.6 Kangoo II 1.5 DCI Megane II 1.5 DCI, -Cabrio, -Hatchback, -Grandtour Modus 1.5 DCI, 1.6i 16V Scenic, II 1.5 DCI Twingo II 1.5 DCI
3 5341 1	Bosch INA	F 00M 991 220 F-550371 /.01	17 / 61 x 34.7 6 Grooves M16	0 124 425 030 E6 120A	GM Buick Regal 3.5 l V6
3 5342 1	Bosch INA	F 00M 991 229 F-550213.06	17 / 59.7 x 37.6 5 Grooves M16	0 124 525 096 E8 150A 82 00 459 716	Renault Vel Satis 3.0 dCi
3 5343 1	Bosch VW INA	F 00M 147 859 F 00M 991 234,286 F-551357 /.01	17 / 61 x 37.24 5 Grooves M16 left	0 124 525 095,103 E8 140A 07K 903 023 C	VW New Beetle,-Cabrio 2.5 l
3 5344 1	Bosch Valeo VW INA	F 00M 147 876 F 00M 991 247,287 2604787 03G 903 119 B 045 903 119, -A F-551406.01/.02/.03	17 / 55 x 40.15 6 Grooves M16	0 121 715 042,077 0 124 315 037 0 124 325 141,142,190 0 124 525 114,146 0 125 711 034 KCB1 70/90/110A E4 110A / E8 140A EL/-HED 150A M 8E 140A / H8P 180A 03C 903 023 B 03G 903 016 B,-BX,-E,-EX, 03G 903 016 L,-LX,-N,-NX 03G 903 023 F 03L 903 017,-X 045 903 023 C,-D,-H,-HX 06F 903 023 C.-D,-H,-HX,-L,-N	Audi A3 3.2 Sportback quattro,-quattro A4 2.0 TDI,-Avant,-Allroad,-quattro A4 2.0 TDI quattro,-Coupè,-Sportback, A5 2.0 TDI Cabriolet,-Sportback A6 2.0 TDI,-Avant,-e,-e Avant Q5 2.0 TDI TT 3.2 Coupè/Roadster quattro SEAT Cordoba 1.4 TDI Ibiza 1.4 TDI, -1.9 TDI,-Sportcoupè Skoda Fabia, -Combi 1.4 TDI Praktik 1.4 TDI Roomster 1.4 TDI Superb 3.6 V6 4x4,-Combi 4x4 VW Amarok 2.0 TDI/BiTDI,-4M California T5 2.0 TDI Caravelle T5 2.0 TDI,-4M Eos 3.2,-FSI Fox 1.4 TDI Multivan T5 2.0 TDI,-4Motion Passat 3.2 FSI 4Motion,-Variant 4M 3.6 FSI ,-4Motion,-CC 4M 3.6 FSI Variant,-4M 3.6 FSI R36,-Variant Polo 1.4 TDI,-Classic 1.4 TDI

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5345 1	Valeo	593618, 593930	17 / 50 x 36.45	SG9B052	DB A160 / A170 CDI
	DB	640 150 01 60 / 03 60 / 04 60 / 05 60	5 Grooves	SG15L012,-026 437415, 439455	B180 / B200 CDI Vaneo 1.7 CDI
	Mitsubishi	668 155 01 15 / 02 15/ 06 15	M16	668 154 01 02	Mitsubishi Colt VI 1.5 DI-D
	INA	MN960267 F-232030.02 /.03/.04/.05/.06/.07/.09 F-232030.10 /.11/.12 F-239809/ .01/.02 /.03 F-553857/ .01/.02./03/.04		668 154 02 02 668 154 03 02 012 154 01 02 A6401540202 2542771B	Smart ForFour 1.5 CDI
3 5346 1	BMW	12 31 7 682 217	17 / 57.6 x 32.3 4 Grooves	12 31 7 676 907	BMW Motorcycle 1100 ccm K25,26,27,28
	INA	F-550395 /.01/.02	M16 w/o. dust cap		
3 5347 1	Valeo	595210	17 / 59 x 42.5	0 124 415 038,041,045	Dacia Logan 1.4i
	Bosch	F 00M 147 906 F 00M 992 723	6 Grooves	KCB2 98A SG9B033	Logan 1.5 Diesel Nissan Micra 1.5 D
	Renault	77 00 110 616 77 01 477 689 82 00 548 796	M16	SG10B016 SG12B089,-105 TG11C041,-066,-069 77 01 477 712 82 00 438 148 82 00 660 040	Renault Megane 1.5 D Sandero 1.6 Hi-Torque Flex
	INA	F-550181.03/ .04/.05 F-557755 Replacement for 3 5303 1 3 5303 1 Rubber Clutch			
3 5348 1	Valeo	595239	17 / 55 x 52.3	440053 439583	DB G 320 CDI GL 320/350 CDI
	DB	642 150 07 60	8 Grooves	0 121 813 120	ML 280/300/320/350 CDI
	INA	F-551657.01/.02/.03/.04/.05	M16	642 154 0502 A642 154 0302 A642 154 0502 A014 154 1302 014 154 1302	R 280/300/320/350 CDI
3 5351 1	Hitachi	GD2 18509	17 / 54 x 40.3	23100A4400 23100A4420	Nissan X-Trail 2.0 / FWD
	Nissan	23151-EN20A		23100AU400	
	INA	F-551034 /.01	6 Grooves M16	23100AU420 23100AU424 23100EN20B	
3 5353 1	Melco	A628X92071	17 / 65 x 39	A003TB4981	Mazda 3 2.0/2.2
	Mazda	RF5C-18-330 RF5C-18-W11 RF5C-183-30A	8 Grooves M17	RF5C-18-300 RF5C-18-W11 90A	5 1.6/2.0 6 2.0/2.2 CX-7 2.2 MPV 2.0
	Mitsubishi	A6 28X9 2071			Mitsubishi
	INA	F-236001 /.01/.02			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5354 1	Visteon	VP2M5U-10A352-AA VP6S4U-10A352-AA	17 / 62 x 37	1097304 1301496	Ford Focus 2.0 16V Kombi,-Stufenheck RS
	INA	F-235931 /.02	6 Grooves M16		ST 170
3 5355 1	Denso	021040-1400 021040-1570	17 / 65.4 x 37.5	50500728	FIAT 2.4 JTD Alfa 2.4 JTD
	FIAT INA	773 641 48 F-239912.01/.02/.03	5 Grooves M14		
3 5356 1	Denso	081020-0010 081020-0011	15 / 65.5 x 37.47	100213-2950,-2990	Hyundai Accent Getz
	Hyundai	37322-27500,-27501 5-021040-108	6 Grooves M14		Matrix
	INA	F-233106.1/.2/.03/.04/.05/.06			
3 5357 1	Denso FIAT Saab	121041-1140 773 639 48 12 759 596	17 / 58 x 40.9	101210-0160,-0161 51727338 51727339	FIAT, Lancia 2.4 JTD VM Motori Saab
	INA	F-238822 /.01/.02	6 Grooves M17		
3 5358 1	Melco INA	A252C54375 F-550379.02	17 / 59.7 x 44.8	A2TC0982	Renault Clio 1.5 d Kangoo
			6 Grooves M16		Twingo
3 5360 1	John Deere	AL158161 AL161112 AL166836	17 / 61 x 38.7	AL111675 AL166645 AL166646	John Deere Tractor 6020,6029 4/6 cyl. 90 /115 /150A
	INA	F-233379.01/.02	8 Grooves M16		
		Replacement for LITENS	3 5370 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5366 1	Valeo	593977	17 / 52 x 36.45	DB 266 154 09 02	DB A 150,170,200
	DB	266 155 01 15		115A	B 150,170,200
	INA	F-238419.02	5 Grooves	TG11C021,-035	
		F-239973 /.01/.02/.03/.04/.05	M16		
3 5369 1	Bosch	F 00M 991 248	17 / 53.3 x 34.65	0 124 425 038,075	Renault Clio III 2.0
		F 00M 147 878		E6/ME6 120A	Nissan
	Nissan		6 Grooves	82 00 262 318	
	INA	F-553448	M16	23100-0003R	
				23100-0012R	
3 5373 1	Denso	121041-1440	17 / 58.12 x 39.8	51718502	Alfa Giulietta 1.4 TB >04/2010
	FIAT	773 646 16		51788658	MITO 1.4,-TB / 1.6 JTDM >09/2008
	INA	F-558432.02	5 Grooves	51859043	FIAT 500,-C 0.9 >09/2009
			M17	51854903	Bravo II 1.4/ 1.4 16V/ T-Jet >04/2007
					Doblo,-Cargo 1.4 Natural Power
					Grande Punto 1.4/ 1.4 16V,Abarth,
					Natural Power 1.4 T-Jet
					Linea 1.4 T-Jet
					Punto 1.4/ 1.4 16V,-Abarth,
					-Natutal Power, T-Jet
					Punto EVO 1.4/ 1.4 16V,-Abarth,
					-Natural Power
					Lancia Delta III 1.4/ 1.4 16V > 09/2008
					1.6 D Multijet > 07/2010
					Ypsilon 0.9 Twinair > 05/2011
3 5374 1	Valeo	593960	17 / 55 x 49.3	439546	Chrysler 300C 3.0 CRD
	DB	642 150 06 60		A6421540202	Jeep Commander 3.0 CRD
		642 150 03 60	7 Grooves	A6421540402	Grand Cherokee III 3.0 CRD
	Jeep	05175811AA	M16		MB C 320/350 CDI
	INA	F-239808/ .01/.02/.03			CLK 320 CDI
		F-239808.04 /.05/.06			CLS 320/350 CDI
					E 280/300/320/350 CDI
					GLK 320/350 CDI
					GL 320/350CDI
					ML 280/300/350 CDI
					R 350
					Sprinter 218,219,318,319
					419,518,519
					Viano 3.0
					Vito 120/122
3 5376 1	Mitsubishi	A252C52775	17 / 59 x 37.9	A004TJ0084,A,-B,-C	Citroen Berlingo 1.6
		JK58A01635A		180A	C4,C5,C6,C8
	INA	F-550426	6 Grooves		Jumpy 2.0/2.2 HDi
			M17		Fiat Scudo, Ulysse, Phedra
					2.0/2.2 D / JTD
					Peugeot 407,607,807,Expert
					Partner 1.6/2.0/2.2 HDi

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5380 1	Bosch	F 00M 147 875	17 / 61 x 37.7	0 124 425 048,061	Opel Signum 2.0/2.2
		F 00M 991 246		E6 120A, M6E 125A	Vectra C 2.0/2.2
	GM	55 558 734	5 Grooves	13 229 989	
	Opel	1204419	M16	93 190 894	
	INA	F-552861			
3 5381 1	Bosch	F 00M 147 880	17 / 59.1 x 40.15	0 124 425 060	Opel Astra 1.6 Turbo, -Caravan
		F 00M 991 251		M6E 120A	1.6i Turbo Twin Top
	GM	55560294	5 Grooves	93188158	Corsa 1.6i Turbo,-OPC Turbo
	Opel	1204484	M16	13 222 933	Zafira 1.6 CNG Turbo
	INA	F-553322 /.01		62 04 218	
3 5384 1	Bosch	F 00M 349 877	17 / 64 x 36.3	0 121 615 002	Citroen Jumper 2.2 HDi
		F 00M 391 107,118,120		0 125 711 001,017,058,059	FIAT Ducato 11/15/17 2.2 JTD
		F 00M 599 403	6 Grooves	H7P / EL7 150A	Ford Transit FT 260/280/300/330/350
	FIAT	773 640 82	M16	9658 144 680	2.2 TDCi
	Ford			9659 918 080	Transit Euroline, -Nugget,
	INA	F-554766 /.01		9674 987 580	Tourneo 2.2 TDCi
				9676 143 580	Peugeot Boxer 2.2 HDi
				AC1T-10300-BA	
				BK2T-10300-BB	
				CC1T-10300-BA	
				6C1T-10300-BA,-BB,-BC,-BD	
				1404791, 1581843	
				5705 EA	
3 5385 1	Bosch	F 00M 349 823	17 / 61 x 36.1	0 121 615 014	Ford Kuga 2.5i 4x4
		F 00M 391 124		0 125 711 014,040,048	Volvo C30 2.4i, -D5, -T5
	Volvo	30667980	5 Grooves	EL7 / H7P 150A	C70 II 2.4,-D,-i Cabrio,
	INA	F-557564	M16	30773111	D5,-T5 Cabrio
				31288879	S40 II 2.4, -2.4i,
				36000207	2.5 T5,-AWD,D5
				6M5T-10300-SA	V50 2.4, -2.4i,
				1541451	D5,-T5,-T5 AWD
3 5386 1	Bosch	F 00M 349 824,899	17 / 53.3 x 34.4	0 121 715 016-018	BMW 116i, 118i, -Cabrio
		F 00M 391 158		H8P 180A	120i,-Cabrio /135i,-Cabrio,-Coupe
		F 00M 991 260	7 Grooves	12 31 7 542 351	316i, -Coupe, 318i, -Touring
		0 121 C00 401	M16	12 31 7 550 469	320i, -Cabrio, -Coupe,
	BMW	12 31 7 560 678		12 31 7 557 789	-Touring, x-Drive
	INA	F-554007.02 /.03		12 31 7 558 219	335i, -Cabrio, -Coupe, -Touring
				12 31 7 582 699	335xi, -Coupe, -Touring
				12 31 7 560 985	520i, -Touring
				12 31 7 560 986	535i, 535xi, -Touring,-xDrive
					M Coupe
					X5 3.0 si,-xDrive 30i

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5387 1	Bosch BMW PSA INA	F 00M 349 870 OAP F 00M 349 859 solid F 00M 391 131 solid F 00M 391 140 OAP 12 31 7 561 556 solid 12 31 7 575 518 OAP F-560565	17 / 55 x 40 6 Grooves M16 better choice for solid Pulleys F 00M 349 859 and F 00M 391 131	0 121 615 012,027 0 125 711 011 H7P 151A EL7 150A 12 31 7 553 009 12 31 7 562 388 12 31 7 574 365 12 31 7 575 650,872,873 12 31 7 576 550 12 31 7 604 782 12 31 7 613 445 12 31 7 794 970 12 31 7 806 779 5705 JG,-KF V7 553 00980 V7 574 36580 V7 577 12180	BMW Mini Cooper, -S, Cabrio, Clubman, One, Countryman Citroen Berlingo 1.6i 16V VT >11/2009 C4 1.6i,-Coupe > 07/2008 C5 1.6i THP,-Tourer DS3 1.6 THP Peugeot 207 1.6i,-RC,-SW RC,-THP 207 CC 1.6i,-THP 308 1.4 VTi,-SW >04/2010 308i 1.4,-SW >09/2007 308 1.6i,-SW,-THP,-THP SW 308 CC 1.6i,-THP >03/2009 3008 1.6i >05/2009 5008 1.6i,-THP >09/2009 Partner 1.6i >09/2009 RCZ 1.6i THP >01/2010
3 5388 1	Dayco FIAT / IVECO PSA INA	TA436 504 0887 96 574087 F-550532/ .01	17 / 59 x 36.1 6 Grooves M16	0 124 525 064,125 E8 140/150A 504 0578 13 504 2041 73	FIAT Daily 35 C 14,15,17,18 35 S 14,15,17,18 40 C 14,15,17,18 45 C 15,18 50 C 14,15,17,18 55 S 18 60 C 15,18 65 C 14,15,17,18 70 C 16 FIAT Ducato 11, 15, 17 3.0JTD Maxi 17, 20 3.0 JTD FIAT Massif 3.0 FIAT Scudato 70 C 16
3 5389 1	Mazda INA	RF6C-18-330 RF6C-18-W11 F-238823.04/ .05	17 / 65 x 45.72 2 x 4 Grooves M17		
3 5390 1	Denso FIAT GM Opel INA	121041-0580 773 647 23 93185282/ 93192215 6204229/ 6204286 F-557928/ .01 Replacement for LITENS 3 3596 1	17 / 59 x 39.4 6 Grooves M17	101210-0950,-0951,0960, 101210-0961,-0970,-0971, 102211-8610,-8620,-8630	Alfa Mito Fiat 500,Doblo,Punto,Fiorino Idea,Linea,Qubo Lancia Musa,Ypsilon 1.3 JTDM / D Multijet Opel Astra H, Combo, Corsa C+D Meriva,Tigra 1.3 CDTI
3 5391 1	Valeo DB INA	2604126 2604640 646 155 01 15 278 150 00 60 F-552901.02 /.03	17 / 55 x 45.75 6 Grooves M16	439585,439619 440057 646 154 01 02 646 154 08 02 646 154 09 02 646 154 11 02	DB C 180/200/220/250/350 CLS 250/63AMG E 200/220/250 GLK 200/220/250 SLK 200/250/350/AMG Sprinter Viano Vito CDI/CGI

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5392 1	Valeo	595258	17 / 60 x 49.75	440127,440128	DB C 160 Sportcoupe Kompressor
	DB	271 155 02 15		271 154 14 02	C 180 Kompressor,-Kombi,-Sportcoupe
	INA	F-557311 /.01	7 Grooves	271 154 15 02	C 200 Kompressor,-Kombi
			M16		C 200 CGI Kompressor,-Kombi
					C 230 Kompressor,-Kombi
					C 250 CGI,-Kombi
					CLC 160, 180, 200 Kompressor
					CLK 200 Kompressor,-Cabriolet
					CLK 200 CGI,-Cabriolet
					E 200 CGI,-Kombi
					E 250 CGI,-Kombi
					SLK 200 Kompressor Cabriolet
3 5393 1	Bosch	F 00M 991 192	17 / 61 x 35	0 124 315 019,027	Ford Transit 2.4 TD,-TDE,-TDI,-TDCi
	INA	F-563432		0 124 325 100	FT 260,280,300,310,
			7 Grooves	E4 110A	FT 330,350,430
			M16	YC1T-0300-BC,-BD,-BE,-BG, -BH	
		Replacement for LITENS 3 3562 1		2C1T-10-300-BA	
				4098414, 4461712	
3 5394 1	Denso	021040-1070	15 / 65 x 41.2	101211-4720	Toyota Hiace IV
	Toyota	27415-30020		104210-9011	Hilux II+III
		27415-0L030	7 Grooves	27060-0L010	Land Cruser
		27415-0L010	M14	27060-0L021	2.5/3.0 D
	INA	F-567525	O.E. product 3 5379 1 alternative product 3 5434 1		
3 5395 1	Denso		15 / 64.4 x 39.9	101211-5660	Toyota Yaris 1.4
	Toyota	27411-33050		27060-33020	Yaris Verso 1.4
		27415-33010	5 Grooves	70 A	
	NTN	DJA 1893 IR	M14		
	INA	F-568860	Replacement for NTN - Type		
3 5396 1	Denso		17 / 59 x 42.05	104210-3511,-3512,-3513	Ford C-Max 1.6 /2.0 TDCi
				1229258,1255712,1477737	Fiesta VI 1.6 TDCi
	Ford		6 Grooves	3M5T-10300-PB,-PC,-PD	Focus II 1.6 /2.0 TDCi,-Turnier
	Mazda		M14	633 219 36 ,633 774 16	Fusion 1.6 TDCi
	Volvo	8603182,8666579,30667067		Y601-18-300	Kuga 2.0 TDCi,-4x4
	Koyo	DCA 1834 IR		30667067,30795422,360005	Mazda 3 1.6 MZ/MZR-CD,-Hatchback
	INA	F-568861		98	Volvo C30 1.6/2.0 D
					C70 II 2.0 D Cabrio
		Replacement for Koyo - Type alternative product 3 5425 1			S40 II 1.6/2.0 D
					V50 1.6/2.0 D
3 5397 1	Denso		17 / 53 x 44.6	104210-3761,-3821	Ford C-Max 2.0
	Ford			3M5T-10300-VC,-VD	Focus C-Max 1.8
	Koyo	WCPN36RCX,-DX	6 Grooves		Focus II 1.8/2.0
	INA	F-570680	M14		Galaxy 2.0
			Replacement for Koyo - Type		Mondeo III 1.8
					S-Max 2.0
					Volvo C30 1.8/2.0
					S40 II 1.8/2.0
					V50 1.8/2.0

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5400 1	VW	070 903 327 C 070 903 201 E	62.2 / 78.5 x 35	Eurogrip-Coupling EG1	
	Litens	953710		fits Bosch Pulley: F 00M 391 119 F 00M 991 300 complete Pulley Kit	 replaced by: 3 5318 1 3 5318 1 3 5401 1
3 5401 1	Bosch	F 00M 991 300	17 / 76 x 33.6	0 124 615	VW California T5 2.5TDI,-4 M
	VW	070 903 201 C	w/o. dust cap	013,025,026,029,031 625 013,018 715 004,033	Caravelle T5 2.5 TDI,-4 M Multivan T5 2.5 TDI.-4 M Touareg 2.5 TDI
	Pulley Kit:	INA Pulley with Eurogrip Coupling EG1	3 5318 1 3 5400 1	NCB2 150A, P10 180A H7P 150A / H8P 180A	Transporter T5 2.5 TDI,-4 M
				070 903 024,-A,-B,-F,-G,-H	Climate Compressor 2.5 l
	replacement	for NSK Pulley Kit	3 5408 1	3D0 820 805 E	Model AXD,AXE,BLJ
3 5403 1	Marelli	8362397	17 / 65.5 x 39.1		Alfa 2.4 JTD
	FIAT	551 963 01			FIAT 2.4 JTD
	INA	F-230866/ .01/.03/.08 /.09	6 Grooves M17		Opel 2.4 JTD Saab 2.4 JTD
		long version of 3 3540 1 alternative product for Rubber Clutch Pulley 3 5315 1			
3 5410 1	Bosch	F 00M 147 999 F 00M 991 172	17 / 57.5 x 33	0124 525 035 0 124 615 027	Citroen Berlingo 1.6 HDi C2 1.4/1.6 HDi
	INA	F 232369/ .02/.03/.09	6 Grooves M16 short version of 3 3573 1	E8 / NCB2 150A FIAT 9646 065 480 9646 321 880 PSA 57055 AA,-AS 96 408 787 96 463 218	C3 1.6 HDi,-Picasso,-Pluriel 1.4 HDi C4 1.6 HDi,-Coupe C4 2.0 HDi,-Coupe,-Picasso C5 1.6 HDi,-Break,-Tourer C5 2.0 HDi,-Breakt,-Tourer C5 2.2 HDi,-Break C8 2.0/2.2 HDi Evasion 2.0 HDi Grand C4 Picasso 1.6/2.0 HDi Jumper 2.0 HDi Jumpy 1.6 HDI,-1.9 Diesel,-2.0 HDi Xsara Picasso 1.6 HDi FIAT Ducato 11/15 2.0 JTD Scudo 1.6 D Multijet,-1.9 D,-2.0 D Ulysse 2.0/2.2 16V JTD Lancia Phedra 2.0/2.2 JTD 16V Peugeot 206 1.4/1.6/2.0 HDi, -SW 206 CC 1.6 HDi / 1.4 HDi 207 1.4 HDI,-1.6 HDi,-SW, CC 307 1.6/2.0 HDi,-Break,-SW,CC 308 1.6/2.0 HDi,-SW, CC 2.0 HDi 406 1.6/2.0/2.2 HDi,-Break, -Coupé,-SW 607 2.0/2.2 HDi 806 2.0 HDi 807 2.0/2.2 HDi 1007 1.4 HDi 3008 1.6 HDi Boxer 2.0 HDi Expert 1.6 HDi,-1.9 Diesel,-2.0 HDi Partner 1.6 HDi

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5411 1	Mitsubishi Nissan INA	A252C564FE 23151-EB301 23151-EB30A F-552386.01	17 / 69 x 39.5 7 Grooves M17	A3TG2681 A3TJ0781, -AE,-ZE 23100-EB31B 150A	Nissan Navarra Pickup 2.5 Diesel Cabstar Navara 2.5 dCi Pathfinder 2.5 dCi
NEW **3 5414 1**	Valeo Hyundai/KIA INA	595286 37322-2A000 37322-2A110 F-236071.02 /.05	17 /61 x40.3 5 Grooves M16	440268	Hyundai Accent, Elentra, Matrix Getz i10,-i20,-i30 KIA Ceranto, Pride Picanto, Rio II, Soul 1.5/1.6 CRDi
NEW **3 5416 1**	Melco PSA INA	 F-560968	17 /54.7 x 41.8 6 Grooves M17	440174	Citroen Berlingo C3 II 1.4/1.6 C4 (B7) / (LC_) PSA 1.4/1.6 I gas
NEW **3 5417 1**	Melco Nissan INA	A252C55875 23151-JG71B F-552305	17 /53.3 x 38.3 7 Grooves M17	A004TJ0282	Renault Laguna III Latitude Master IV Megane III Nissan Qashqai X-Trail Opel Movano B
NEW **3 5418 1**	Melco INA	1800-A061 F-552562	17 /59 x 37.38 6 Grooves M17	A003TG3181 A003TJ0181ZC,-0182 A004TJ0181,-ZC	Mitsubishi ASX Lancer Outlander II Peugeot 4007
NEW **3 5419 1**	Valeo BMW INA	2605074 12 31 7 576 515 F-556533.01	17 / 54.7 x41.05 6 Grooves M16	TG12C059	Citroen Berlingo C3 II 1.4/1.6 C4 (B7)/(LC_) C5 DS3 DS4 Mini Cooper Clubman Peugeot 207 308 508 1.6 Partner 1.6 RCZ 1.6

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5430 1	Bosch	F 00M 349 903	17 /63 x51	0 121 615 032	Ford Galaxy 2.0 EcoBoost SCTi
		F 00M 391 150		0 121 715 058	Mondeo 2.0 EcoBoost SCTi
	Ford	31285489	6 Grooves	0 125 711 024	S-Max 2.0 EcoBoost SCTi
	Volvo	31285489	M16	0 125 811 006	Volvo S60 II 2.0T,-T5
	INA	F-561957 /.03/.04		EL7 150A / EL8 180A	S80 II 2.0T,-T5
				H7P 150A / H8P 180A	V60 2.0T,-T5
				9G9N-10300-AA,-BB	V70 III 2.0T,-T5
				31260072, 31260073	XC60 2.0 T,-T5
				36002584, 36002650	Jaguar
				1682130	Landrover
NEW 3 5431 1	Bosch	F 00M A47 700	17 /70 x38.5	0 121 715 022,050,075,078	Audi A6 2.4,-Avant,-quattro
		F 00M 349 835		0 124 325 078	2.8 FSI,-Avant,-quattro
		F 00M 991 278	6 Grooves	0 124 525 508	3.0 TFSI Avant Allroad,-quattro
		F 00M 992 709	M16	E4 120A	3.2 FSI,-Avant quattro,-quattro
	VW	06E 903 119 L,-R		E8 155A / H8P 180A	
	INA	F-558658 /.01/.02		06E 903 016 M,-MX,-T,-TX	
				06E 903 018 H,-HX	
				06H 903 017B	
NEW 3 5435 1	Valeo	2603530	17 /59 x38.3	SG15S019	Ford, Mazda, PSA
	Ford				
	Mazda		6 Grooves		
	PSA		M16		
	INA	F-236591.05/.07	fitting measure 14.4 mm		
NEW 3 5436 1	Denso	021040-1100	17 /66.4 x 39.9	102211-2780	Toyota Yaris 1.4D-4D
		021040-1410		104210-4450	Yaris Verso 1.4D-4D
	Toyota	27415-33020	5 Grooves	27060-33030	Echo Liftback 1.4D-4D
	INA	F-579125	M14	27060-33040	
	NTN	359V1-1		90A	
		alternative product	replacement product 3 5433 1		
NEW 3 5438 1	Bosch	F 00M 992 718	17/59 x 34.66 mm	0 124 425 085,087	Opel Combo 1.4 ,-16V
	GM	93185744		M6E 100/ 120A	Corsa 1.4 Twinport
	Opel		5 Grooves	13266809,-810	Corsa D 1.2/1.4,-ecoFlex
	INA	F-553240 /.01	M16	6204144	
NEW 3 5439 1	Valeo	595333	17/65.3 x 44.3	440243	Audi A4 3.2 FSI
	VW	06E 903 119 Q		440244	A5 3.2 FSI
	INA	F-556311	6 Grooves		Q5 3.2 FSI
			M16		150 A

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5441 1	Valeo Hyundai INA	2655545 37321-25-201 F-240026.01/.02/.03/.04/.05	17 /64.25 x 37.8 mm 6 Grooves M16	37300-25301	Hyundai Sonata V (NF) 2.0 vvTi GLS, 2.4 KIA Magentis 2.0
NEW 3 5449 1	Denso Honda INA	 31141-RBD-E02 F-580303 replacement product 3 5420 1	17 /75.3 x 39.3 mm 7 Groooves M14	104210-2260 104210-2660 104210-3911 104210-4860 31100-RBD-E02 31100-RSR-E01 Denso 130A	Honda Accord VIII 2.2i-CTDI Accord IX 2.2i-DTEC Civic VII 2.2 CTDI CR-V II 2.2 CTDI CR-V III 2.2i-CTDI FR-V 2.2i-CTDI
NEW 3 5453 1	Denso FIAT INA	 773 652 71 F-563795	17 /60 x 40.9 mm 6 Grooves M17	518 548 98 Denso 115A	Alfa 159 1.8 TBi Brera 1.8 TBi Giulietta 1.8 TBi Spider 1.8 TBi Lancia Delta III 1.8 Di
NEW 3 5454 1	Melco Nissan INA	A252C55075 23151-EL010 23151-JD20A F-557045 /.01	17 /53.3 x 39.8 mm 6 Grovves M17	23100-JD200 A2TJ0281	Nissan Qashqai 2.0,-4x4 Tiida 1.8
NEW 3 5455 1	Subaru INA	23750-AA060 F-558533	17 /59 x 44.08 7 Grooves M17		Subaru Forester 2.0 D Impreza 2.0 D 4x4 Legacy IV 2.0 D,-Station Wagon Outback 2.0 D
NEW 3 5456 1	Valeo FIAT PSA INA	2604651 504280012 773 647 97 F-559894	17 /59 x 38.05 mm 6 Grooves M16	0 124 525 064 504057813 50480012 5705KL	Citroen Jumper 3.0 D FIAT Ducato 3.0 D Iveco Daily 3.0 D Peugeot Boxer 3.0 D

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5457 1	Delphi Korea KDAC GM Opel INA	222588 55567951 1204178 F-563424	17 /59 x 40.1 mm 6 Grooves M16	100 A	Opel Astra J 1.4/1.6/1.8 CDTI Insignia 1.6/1.8/2.0 CDTI
NEW 3 5458 1	Valeo GM Opel Saab INA	2613294 4605956 13258483 12 04 177 13 258 483 F-239807 F-563248 /.01/.02/.03 F-570802 /.01/.02	17 /59 x 38.25 mm 6 Grooves M16	439708 440300 13222936 13256931 1 231 859023	Chevrolet Aveo 1.3 D Opel Astra J 1.3/1.4/1.6/2.0 Corsa D 1.3 Insignia 1.4/1.6/1.8/2.0 Zafira 2.0 CDTi Saab 9-5 2.0 TiD GM Buick Rendevouz 3.6 l gas
NEW 3 5459 1	Delphi Korea KDAC GM Opel INA	222598 55565443 12 04 291 F-563945	17 /59 x 48.25 mm 6 Grooves M16	1204643 13502583	Opel Astra J 2.0 CDTI Insignia 2.0 CDTI Insignia 2.0 Biturbo CDTI Insignia 2.0 Biturbo CDTI 4x4 Zafira 2.0 CDTI Saab 9-5 2.0 TiD
NEW 3 5462 1	Denso Ford Koyo INA	104210-4640 WCPN36RC4X F-582200	17 /60 x 39.5 mm 5 Grooves M14	0 121 615 114 0 125 711 048 AM5T10300SA	Ford Focus II Volvo
NEW 3 5463 1	BMW INA	12 31 7 790 877 F-581342	17/66.4 x 39.90 mm 7 Grooves M14	12317791334 12317790879	BMW Mini One D
NEW 3 5464 1	Bosch GM INA	F 00M 992 719 13285531 F-562331.01	17 /59 x 53.67 mm 6 Grooves M16	0 124 425 084,086 M6E 120A 13284408 13284409	Opel Meriva 1.4 Ecotec 1.4 EcoFLEX

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5465 1	Bosch INA	F 00M 992 730 F-559569	17 /65.5 x41.3 mm 6 Grooves M16	0 124 425 100 M6E 120A 735 032 35 13117340, 13117341 93180098, 93180102	Alfa 159 1.9 JTDM 8/16 V 159 SW 1.9 JTDM FIAT Bravo 1.9 JTD 16 V Croma 1.9 JTD 8/16 V Grande Punto 1.9 JTD Stilo 1.9 JTD 16V,-S.W. Opel Astra 1.9 CDTI,-Caravan,-Twin Top 1.9 GTC CDTI Signum 1.9 CDTI Vectra 1.9 CDTI,-Caravan,-GTS Zafira 1.9 CDTI >07/2005
NEW 3 5466 1	Melco INA	A252C55975 A252C559FE F-550883 /.02	17 /59 x 42.25 mm 6 Grooves M17	440234 7711134728 7711497268 8200120286 8200373636 8200468131 8200660057	Renault Laguna III Megane II+III Scenic II 1.5 dCi
NEW 3 5467 1	Bosch Hitachi Valeo VW INA	F 00M 349 911 F 00M 991 264 GD1 15071 2604159 2612688 059 903 119 G,-H,-L F-551623 /.01/.02/.03/.04	17/61 x 35 mm 6 Grooves M16	0 121 715 080 0 124 525 228 0 125 711 035 H8P 180A , M8E 140A EL7-HED 150A 059 903 018 K,-S,-SX 059 903 019 A,-B	Audi A4 2.7/3.0 TDI A4 Avant 2.7/3.0 TDI A5 2.7/3.0 TDI A5 Cabrio 2.7/3.0 TDI A5 Sportsback 2.7/3.0 TDI A6 2.7/3.0 TDI / TFSI A6 Avant 2.7/3.0 TDI A7 Sportsback 3.0 TDI A8 2.8/3.2 FSI A8 4.2/3.0 TDI Q5 3.0 TDI Q7 3.0/4.2/6.0 TDI VW Tuareg 3.0 V6 TDI
NEW 3 5468 1	Valeo VW INA	2602341 2604507 06E 903 119 E,-P F-239779.01 /.02/.03 F-552973.01	17 /70 x 44.3 mm 6 Grooves M16	TG16C011 06E 903 016 E,-F,-G,-K	Audi A4 3.2 FSI, -quattro A4 Avant 3,2 FSI, -quattro A4 Cabriolet 3.2 FSI, -quattro A6 2.4, -quattro A6 2.8 FSI, -quattro A6 3.2 FSI, -quattro A6 Allroad 3.2 FSI quattro A6 Avant 2.4, -quattro A6 Avant 2.8 FSI, -quattro A6 3.2 FSI, -quattro
NEW 3 5469 1	Ford Visteon INA	VP5L8U-10A352-AA F-237401 /.01	17 /59 x 37.7 mm 6 Grooves M16		Ford Lincoln 3.0 V6 Mazda Tribute 2.3 AWD
NEW 3 5470 1	Denso Honda NSK INA	 31141-RL0-G01 4DFB503238 F-563515 alternative product O.E. product: NSK 3 5440 1	17 /70.4 x39.9 mm 7 Grooves M14	104210-1150 31100-RFW-G01 31100-RFW-G51 31100-RL0-G01 31100-RL0-G51 130 A	Honda Accord VIII+IX CR-V III 2.2i -CDTI 2.2l-DTEC

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5471 1	Melco			A003TJ 1181,3281	Mazda 3 2.3 MPS
	Mazda	L3M6-18-W11 A,-B	17/64 x35.7	L3M6-18300A,-B	6 2.3 MPS Turbo
	INA	F-552514 /.01/.02		110 A	CX-7 2.3 MZR DISI Turbo
			6 Grooves		
			M17		
NEW 3 5472 1	Denso	02131-9130-9132	17 /68 x 38.2	27060-0N021,-33071,-37010	Toyota Corolla 1.4 D
	Hyundai/KIA	37321-25301		104210-4101	Auris 1.4 D 4-D
	Toyota	27415-33050	6 Grooves	37300-25301,-25310	Kia Magentis 2.0
	INA	F-581518	M14		Carens III 2.0 CVVT
					Hyundai Sonata V 2.0 VVTi GLS, 2.4
		alternative product			
		replacement product: 3 5423 1			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3562 1	Bosch	F 00M 991 078 F 00M 991 116 F 00M 991 192	17 / 61.5 x 69 7 Grooves	0 124 315 019,027 325 100 E4 110A	Ford Transit 2.4 TD,-TDCi,-TDE,-TDI FT 260 K/S, FT 280 L,M,S FT 300 S, FT 310 S
	Ford	YC1T-10A352-AC YC1U-10A352-BA	M16	YC1T-10300-BC,BD,BE,BG -BH,BJ	FT 330 K/S, L,M,S FT 350 EL,L,M
	Litens	920574 alternative product 3 5393 1 INA		2C1T-10300-BA 409 8414, 433 2279, 436 2258, 446 1712	FT 430 EL,M
3 3571 1	Bosch	F 00M 991 076 F 00M 991 128	17 / 58.2 x 43 5 Grooves	0 124 515 031 NCB1 120A	Opel Astra 1.4i -2.0i, -Cabrio,-Caravan Corsa 1.4i /1.8i 16V
	GM	93 170 214			Signum 1.8i
	Opel	1204376 1204412	M16	91 73572 91 95336	Vectra 1.6i /1.8i,-Caravan Zafira 1.6i /1.8i
	Litens	920501		91 95337	
3 3572 1	Bosch	F 00M 991 139	17 / 60 x 42.8	0 124 415 026	Opel Signum 2.0 /2.2.-Turbo,-Direct
	GM	93 172 295		425 033,040	Vectra 2.0, 2.2,
	Opel	1204376	5 Grooves	515 096	2.2i, -Turbo, -Direct, -Estate
	Saab	12786853	M16	525 017	Saab 9-3 1.8t,-Cabriolet
	Litens	920629 alternative product 3 5380 1 INA	w/o. dust cap	E6 120A, E8 140A	2.0 T Aero, -Cabriolet, -Sport
3 3588 1	Ford	YC1U-1033-EA YC1U-10A352-BA,-BB YP2C-10A352-AA YP2C1U-10A352-AA	17 / 61.5 x 79 7 Grooves M16	YC1U-10300-DA,DB,EA Visteon Model RC 28	Ford Transit 2.4 Diesel Motocraft Version
	Litens	920583			
	INA	F-558404 Replacement for 3 5359 1 INA			
3 3592 1	Bosch	F 00M 991 210	17 / 60 x 43	0 124 425 015	Opel Astra G/H 2.0 GTC Turbo
	GM	55 352 897		M6E 120A	2.0 Turbo,-Caravan
	Opel	1204393	5 Grooves	13 156 054	2.0i Turbo Twin
	Litens	920755	M16	93 180 419	Top,-Cabrio Zafira 2.0i Turbo
3 3593 1	Ford	5M5Q-10D310-AA,AB 5M5Q-10344-AA 5M5Q-10C382-AA	Shaft Decoupler Assy. complete w. INA Pulley F-233608.03	0 121 615 008 H7P 156A 1S4Q-10C382-AD	Ford Fiesta / Focus 1.8 Diesel Galaxy 1.8 TDCi Mondeo IV 1.8 TDCi, -Turnier
	Litens	920606	IKA No. 3 5317 1	3M5T-10300-LB	S-Max 1.8 TDCi
	INA	F-233608.03+59925B	M17	98FF-10C382-BF Denso SC2	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3594 1	Denso	021040-1110 021040-1190 021040-1450 121041-1450	17 / 63 x 45.2 6 Grooves M14	121000-3841,-3842,-3843,-4390 104210-4240,-4241 421000-0081	Chrysler Jeep Liberty KJ 2.5 Diesel DOHC Jeep Cherokee 2.8 Diesel
	Chrysler Litens	53013554 AD,-AE 920615 920720		56044672 AA,-AB	
3 3595 1	Denso	021040-1241 121041-1241	17/63 x 51.8 	104210-3720 4R83-10300-AB	Jaguar S-Type 2.7 TTD Ford Lion 2.7 V6 DOHC
	Litens	920752	6 Grooves M14	C2C20533	Land Rover
3 3596 1	Denso GM FIAT Litens	121041-0580 93185282 773 647 21 920789 alternative product 3 5390 1 INA	17 / 55.5 x 50.9 6 Grooves M17	101210-0950,-0951,-0960 101210-0961,-0970,-0971 102211-8610,-8620,-8630 5178 7209,-7210,-7214 5185 4914,-4915,-4916 5185 5875 2542850A A115	Alfa Mito Fiat 500,Doblo,Punto,Fiorino Idea,Linea,Qubo Lancia Musa,Ypsilon 1.3 JTDM / D Multijet Opel Astra H, Combo, Corsa C+D Meriva,Tigra 1.3 CDTI
NEW **3 3598 0**	Bosch	F 00M 391 115 F 00M 349 822	Pulley Retainer	for Ford Shaft Decoupler 3 3593 1	0 121 615 008 H7P 156A
3 5301 1	Valeo FIAT GM Opel Suzuki Litens	593891 773 639 54 93178273, 93192631 55 186 280 31771-85E00-000 600693, 920693 alternative product 3 3580 1 INA	17 / 55.5 x 50.4 6 Grooves M16	TG8S013,-S016 TG9S015,021,022 2542851 437504 551 850 76 75A	Opel Corsa 1.25 Diesel 4 cyl. FIAT Grande Punto 1.3 D Multijet
3 5325 1	Bosch FIAT Litens	F 00M 991 240 773 635 65 920796	17 / 60 x 43 5 Grooves M16	0 124 425 041 E6 120A FIAT 60694260	Alfa 159 1.9/ 2.2 JTS 159 SW 1.9/ 2.2 JTS Brera 2.2 JTS Spider 2.2 JTS
3 5361 1	Bosch Litens	F 00M 147 877 F 00M 991 238 600801, 920801	17 / 58 x 45 6 Grooves M16	0 124 525 097 E8 155A Opel 12 799 630 93 187 415	Opel Signum 2.8 V6 Turbo Vectra 2.8 Turbo,-Caravan,- -GTS Turbo Saab 9-3 2.8 T,-Cabriolet,-Kombi

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5362 1	Denso Italy	8362516	17 / 65.5 x 40.4	467 744 30	same application as 3 3540 1
	FIAT	9 948 513		467 822 13	
		9 949 129	6 Grooves	468 090 68	long version
		9 951 269	M17	735 015 91	to be used w/o. distance-ring
	GM/Saab	93182514		735 032 35	
	Opel	1204413		102211-8640,-8641,-8650	
	VM Motori	MSY83625-1600		102211-8651,-8660,-8661	
	INA	F-554053.01/.02			
3 5363 1	Bosch	F 00M 991 241	17 / 63.7 x 45.3	0 124 425 049,089	GM 3.9 LZ9 V6 DOD
		F 00M 991 371		E6 120A	Malibu
	Litens	920797	6 Grooves		
			M16		
3 5364 1	Denso	021040-1001,-1040,-1042	17 / 64 x 51	421000-0081,0084	Chrysler Minivan 2.5 Diesel
		021040-1180		04861 513 AD	
	Chrysler	04861 513	6 Grooves	04868 429 AC, -AD	
	Litens	AA,-AB,-AC,-AD,-AE	M14		
		920599	w/o. dust cap		
3 5365 1	Bosch	F 00M 991 289	17 / 55.5 x 63.5	0 124 525 143	Opel Family III
	Opel	12 770 125		E8 140A	Saab 9-5 2.0/ 2.3 Turbo
	Litens	920850	6 Grooves	12 770 124	
			M16		
3 5367 1	Bosch	F 00M 349 860	17 / 63 x 49.3	0 121 715 001	Citroen C5 2.7 HDI,-Tourer
		F 00M 391 100,135		H8P 180A	C6 2.7 HDI
	Litens	920731	6 Grooves	5705 CJ	Peugeot 407 2.7 HDI,- Coupè,-SW
			M16	96 534 590 80	607 2.7 HDI
3 5370 1	Bosch		12 / 61 x 70	0 123 315 501	Tractor 4&6 cyl. 4.5 l Diesel 100 hp
	John Deere	AL156091		0 123 512 500	
		AL166836	8 Grooves	NC(R) 90/115A	
	Litens	920650	M16	AL 111675, 111676	
				AL 114092, 114093	
		alternative product			
		INA 3 5306 1			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5371 1	Ford	6G9N-6A312-AE,-AF	10.75-17 / 67 x 53	0 121 715 109	Volvo XC70 3.2
	Volvo	30777744			V70 3.2, -T6 3.0 Turbo
	Litens	920821	6 Grooves		S60/80 II 3.2
3 5372 1	Bosch	w./o. Pulley	17 / 68 x 51	0 121 615 011	Ford Galaxy 2.0 TDCi
	Ford	6G9N-10D311-AA		0 121 715 009	S-Max 2.0 TDCi
	Volvo	30750109,-409	M16	H7P 150A / H8P 180A	Volvo S60 II T6 AWD 3.0 l
	Rover	LR001470		6G9N-10300-LA,-MA	S80 II 3.2, -AWD, -T6 AWD
	Litens	920803	fits Eurogrip Coupling EG2 3 5428 1	1387927 31110085, 36000209,-210	V60 T6 AWD V70 III 3.2, -AWD, -T6 AWD XC60 3.2,-AWD, -T6 AWD XC70 II 3.2 WD,-AWD,-T6 AWD XC90 3.2, -AWD,-FWD Landrover Freelander II 3.2i6 3.0l
3 5377 1	Denso	021010-1440	17 / 61.5 x 42.7	421000-0021	Chrysler Minivan RS/CS 3.3/3.8
	Chrysler	04861 506		27060-37010,-37011	Pacifica V6 3.8
	Toyota	AB,-AD,-AE,-AF,-AG	6 Grooves	27060-37050,-37051	Town&Country 3.3/3.8
		27415-0T010	M14	100A	Voyager 3.3/3.8/3.8i
	Litens	27415-0T011		04868 430,-431 all levels	Dodge Caravan
		600538, 920538		160A	Pontiac Vibe 1.8
		600685, 920685			Toyota Auris 1.6,-VVTI,-1.8
		600834, 920834		Toyota ZZ World Engine	Avensis 1.6/1.8/2.0
					Corolla 1.6,-VVTI,-1.8
					Matrix 1.8
					RAV 4 III 2.0
					Verso 1.6/1.8
3 5378 1	Denso		17 / 57 x 49	104210-4660,-4790,-4810,	Toyota Camry 2.4
	Toyota	27415-0W040		104210-4880,-4881	Highlander 2.4
		27415-0W041	7 Grooves	027060-28310	RAV-4 III 2.4
	Litens	920802	M14	Toyota AZ World Engine	Previa 2.4
3 5402 1	Ford	1079392	Shaft Decoupler	Marelli A111 70A	Ford 1.8 TDDi
		1334133, 1488368	complete with solid pulley		
		98FF-10C382-BC,-BF,-BG,BH	6 Grooves		
	Litens	920476			
3 5404 1	Bosch	F 00M 147 854	17 / 62 x 42	0 124 325 172,221	Opel Astra 1.9 CDTI,-Caravan,-Twin Top
		F 00M 991 281		425 058,059,096,097	Signum 1.9 CDTI
		F 00M 992 725	6 Grooves	E4 100A / M4E 100A	Vectra 1.9 CDTI,-Caravan,-GTS
		F 00M A47 704	M16	E6 120/140A / M6E	Zafira 1.9 CDTI
	GM	5556 4350		120/140A	
		5557 1966		Opel 13229990-13229992	
	Opel	1204151,1204175		13308506-13308508	
	Litens	920856		93191921,93191922	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5406 1	Bosch	F 00M 147 910	17 / 61 x 41.5	0 124 525 113,210	Audi A4 1.8 TFSI,-Avant,-quattro
		F 00M 991 277		0 125 711 044,051	A4 2.0 TFSI,-Avant,-Allroad, -quattro
	Valeo		6 Grooves	E8/ M8E 140A	A5 1.8 TFSI Coupe,-Sportback
	VW	06H 903 119	M16	EL7-HED 150A	A5 2.0 TFSI Cabriolet,-Coupè
	Litens	920851		06A 903 023 B,-G	A5 2.0 TFSI Coupè quattro,- -Sportsback
				06H 903 016 L, -LX	Q5 2.0 TFSI
				06H 903 017 J,-JX	SEAT Exeo 1.8/2.0 TSI >05/2010
				TG14	Exeo ST 1.8/2.0 TSI >05/2010
3 5412 1	Melco	A234D037BC	17 / 57 x 31	A2TJ0481,-ZC	Chrysler Sebring, Caliber
		A252C5221C		04801323AB, -AC, AD	Jeep Patriot, Compass
		A252C5421C	6 Grooves	04801477AA	1.8, 2.0, 2.4l, -Turbo
		A252C5511C	M17	04811490AA	
	Chrysler	04891767AB			
	Litens	920810			
NEW 3 5415 1	Denso		17 / 54.5 x 52	104210-2050,-2051	Lexus ES 350, -Sedan 24V
	Toyota	27415-0W010		104210-4470,-4471.-4571,-4680	GS 3.0, -300
		27415-0W0130	7 Grooves	27060-0P140,-0P141,-0P150, -0P151,-0P241	GS 4.3 VVTi, -430
	Litens	600726, 920726	M14	27060-31040.-31041,-31042	GS 450h, -460
		600954, 920954		27060-31050,-31051,-31052	IS 220d
				27060-31060,-31062,-31070, -31071,-31072	IS 250, -Sedan 24V
				27060-31161,-31162,-31180, -31190	IS 350, -Sedan 24V
				Denso SC1/2 100/130/150A	RX 300
					RX 3.3, -330 Sport Utility 24V
					RX 350, -Sport Utility 24V
					RX 400h, -450h
					Toyota 4 Runner 4.0 VVTi
					Avalon 3.5 VVTi,-Sedan 24V
					Camry 3.5 VVTi XLE, -Sedan 24V
					Hiace 2.7
					Landcruiser 4.0, -V6 VVTi
					Previa 3.5
					RAV 4 III 3.5 VVTi
					Tarago 3.5
NEW 3 5428 1	Volvo	30750111	62.2 /78.5 x35		Eurogrip Coupling EG2
	Ford	6G9N-10D321-AA	18 teeth		fits Litens Pulley 920803
					IKA-No. 3 5372 1
NEW 3 5429 1	Volvo	30750109	17 /68 x 51	0 121 715 009	Ford Galaxy 2.0 TDCi
		30750111	62.2/78.5 x35	H8P 180A	S-Max 2.0 TDCi
	Ford	6G9N-10D321-AA		6G9N-10300-MA,-XC	Volvo S80 II 3.2,-AWD,-T6 AWD
			M16	1387927	V70 III 3.2,-AWD,-T6 AWD
				31110085,	XC60 3.2,-AWD,-T6 AWD
				36000209	XC70 II 3.2,-T6
					XC90 3.2,-AWD
			Pulley Kit	Litens Pulley 3 5372 1 with Eurogrip Coupling: EG2 3 5428 1	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5442 1	Ford Valeo Litens	AM5Q-10A352-AA 920999	17 /55.5 x 40 mm 6 Grooves M16	FG16T 150A FG17T 180A TG12C 120A	1.6 l DOHC gas turbo
NEW 3 5443 1	DB Bosch Litens	660 150 00 60 920975	17 / 59 x49.3 mm 5 Grooves M16		OM660 L3 0.8 l Diesel Smart >2010 M2P 90A
NEW 3 5444 1	DB Smart Melco Valeo Litens	640 150 01 60 640 150 03 60 640 150 05 60 640 150 06 60 640 150 07 60 MN960267 920995	17 /57.5 x 40.5 mm 5 Grooves M16	668 154 01 02 668 154 03 02 437415 TG15 150A	OM640 L4 1.8/2.0 l Diesel Mercedes A-Class >2008 B-Class V-Class Smart ForFour Mitsubishi Colt VI
NEW 3 5445 1	Valeo Ford Litens	2608906 AV6Q-10A352-BA 920006	17 /59.75 x 39.5 mm 6 Grooves M16	FG15T 150A TG12C 120A	DW10 2.0 l Diesel
NEW 3 5446 1	Valeo Ford Litens	2607423 AV6Q-10A352-AA 920007	17 /59.7 x 45 mm 6 Grooves M16	FG18T 180A FT15C 150A	DV6 1.6 l Diesel DOHC 16V
NEW 3 5447 1	Denso Ford Litens	021040-1900 9M5Q-10A352-AA 920916	17 /60 x 41 mm 6 Grooves M14		DV6B 1.6 l DOHC 16V Ford PSA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5448 1	Melco	A252C5321C A252C532BC	17 /68.8 x 44 mm	A3TG1581 140A GM 92211821	Holden GTO 5.7 l V8 OHV Pontiac GTO 6.0 l
	Litens	920782	6 Grooves M17		
NEW 3 5460 1	Denso FIAT	021040-1980 51860757 Kit 55216555 Single	17 /58 x 40.3 mm 6 Grooves	10210-1430,-1440 A115 IM 100/120 A	Alfa Giulietta 1.6/2.0 JTDM >04/2010 FIAT Bravo 2.0 D Multijet >09/2008 Croma 1.9 D Multijet 06/2005
	Litens	920979	M16		Lancia Delta III 1.6/1.9/2.0 D Multijet Lancia Ypsilon 1.6/1.9/2.0 JTD
NEW 3 5461 1	Denso Toyota Litens	 27415-0T020,-021 600835	17 /61 x 41mm 6 Grooves M16	27060-37010 27060-37011 A115 ib	Toyota Auris 1.6/1.8 l SOHC

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5303 1	Valeo	593610	17 / 78.6 x 40.2	SG9B033	Dacia Logan 1.4/ 1.6
	Renault	7700 110 616		SG10B016,-B020	Renault Clio II 1.4i 16V, 1.6i,-16V, 1.5 DCI
		7701 477 689	6 Grooves	2542420	Kangoo 1.4i/ 1.6i,-Express/Rapid
	Bosch	F 00M 991 054		0 124 325 024,031,184,185	Laguna I 1.6i 16V,-Grandtour
	Nissan			415 013,014,040	Megane 1.416V, Classic,-Coupe
	Toyota			525 028	1.5 DCI,-Cabrio
		alternative product		KCB1/2 87-98A	1.6 Classic,-Coupè,
		INA 3 5347 1		7700 421 477	-Grandtour
				427 932	Scenic 1.4 16V,1.4i/ 1.6i, 1.5 DCI
				429 217,310	Symbol 1.4i 16V
				434 899,900	Thalia II 1.4i 16, 1.5 DC, 1.6i
				7701 473 636,637	
				713 149	
				8200 692 865,866	
				Nissan 23100-00QBB	
				Toyota 27030-165FL	
3 5316 1	Renault	8200 113 636	17 / 61 x 37.6	8200 120 286	Nissan Micra 1.5 Diesel
				373 636	Renault Clio II+III
	Mitsubishi	A660C300EX	5 Grooves	A002TB6481	Megane II+III
	Nissan			SG12B038	Scenic II
	Valeo			2542470	
		alternative product			
		INA 3 3548 1			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5379 1	Denso Toyota	021040-1070 27415-30020 27415-0L030 O.E. product alternative product INA: replacement product:	15 / 63 x 41.4 7 Grooves M14 3 5394 1 3 5434 1	102211-2810 102211-5600 104210-8020	Toyota Avensis 1.8/1.9 D
3 5382 1	Toyota	27415-26010 27415-30010 O.E. product replacement product:	17 / 63 x 41.4 7 Grooves M14 3 5452 1	27060-0G011 104210-4450 104210-4521	Toyota Avensis 2.0/2.2 D Corolla Verso 2.0/2.2 D
3 5383 1	Melco	A628X91871 O.E. product replacement product: 3 5437 1	17 /82 x 34.2 1 Groove V-Belt M17	A003TA6581,-A A003TB0681 23100-AD210,-AD240	Mitsubishi
3 5407 1	Bosch VW NSK	F 00M 391 119 070 903 201 E 4 DFB 503 220 cancelled replaced by INA 3 5318 1	17 / 67 x 33.6 no Groove	0 121 615 013,025,026,029 715 004,033 070 903 024 B,-F,-G,-H H7P 150A, H8P 180A 3D0 820 805E	VW California T5 2.5TDI,-4 Motion Caravelle T5 2.5 TDI,-4 Motion Multivan T5 2.5 TDI.-4 Motion Touareg 2.5 TDI Transporter T5 2.5 TDI,-4 Motion Climate Compressor 2.5 l Model AXD,AXE,BLJ
3 5408 1	Bosch VW	F 00M 391 119 070 903 201 E cancelled replaced by INA 3 5401 1	17 / 67 x 33.6		Pulley Kit: NSK Pulley 3 5407 1 + Eurogrip Coupling EG1 3 5400 1
NEW **3 5413 1**	Melco O.E. product replacement product:	A628X92371 3 5422 1	17 / 69 x 34.6 6 Grooves M17 w. protection cover	A3TN2481,-A MD371144	Mitsubishi Pajero
NEW **3 5420 1**	Denso Honda	31141-RBD-E02 replacement product alternative product INA:	17/75 x40 mm 7 Grooves M14 3 5449 1	104210-2260 104210-2660 104210-3911 104210-4860 31100-RBD-E02 31100-RSR-E01 Denso 130A	Honda Accord 2.2i CTDI Civic VII 2.2i CTDI CR-V II+III 2.2 CTDI FR-V 2.2 DTDI

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW **3 5421 1**	Denso		17/64 x38.6	102211-2760	Toyota Avensis 2.0D-4D
	Toyota	27415-27011		104210-3050	Corolla 2.0D-4D
			5 Grooves	104210-3431	Previa 2.0D-4D
			M14	27060-27090	RAV4 2.0D-4D 4WD
		replacement product			
		alternative product INA:	3 5308 1		
NEW **3 5422 1**	Melco	A628X92371	17/69 x38.6	A3TN2481,-A	Mitsubishi Pajero
			6 Grooves		
			M17		
		replacement product			
		O.E. product: 3 5413 1			
NEW **3 5423 1**	Denso	02131-9130-9132	17/68 x38.6	104210-4101	Toyota Corolla 1.4D
	Toyota	27415-33050		27060-0N021,-33071,-37010	Auris
	Hyundai/KIA	37321-25301	6 Grooves	37300-25301,-25310	Hyundai Sonata V
			M14		Kia Carens III 2.0
					Magnetis 2.0
		replacement product			
		alternative product INA:	3 5472 1		
NEW **3 5424 1**	Denso		17/64 x41.6	Toyota Land Cruiser 3.0D-4D	104210-3410,-3411
	Toyota				27060-30060
			7 Grooves		
			M14		
			replacement product		
NEW **3 5425 1**	Denso		17/59 x43 mm	Ford C-Max 1.6/2.0 TDCi	104210-3511,-3512,-3513
	Ford			Fiesta VI 1.6 TDCi	1229258
	Mazda		6 Grooves	Focus II 1.6	1255712
	Volvo	8666579	M14	TDCi,-Turnier	1477737
	NTN	DCA 1834 IR		2.0	3M5T-10300-PB,-PC,-PD
				TDCi,-Cabriolet,-Turnier	
				Fusion 1.6 TDCi	Y601-18-300
				Kuga 2.0 TDCi,-4x4	
				Mazda 3 1.6	30667067
				MZ-CD,-Hatchback	30795422
				1.6	36000598
				MZR-CD,-Hatchback	63321936
		replacement product		Volvo C30 1.6/2.0 D	63377416
				C70 II 2.0 D Cabrio	
		alternative product INA:	3 5396 1	S40 II 1.6/2.0 D	
				V50 1.6/2.0 D	
NEW **3 5426 1**	Melco		17/59 x33.6	Mitsubishi	A003TN2581
	Suzuki			Suzuki Jimny	31400-84-A00
			6 Grooves		31400-84-A01
			M17		
		replacement product			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW 3 5427 1	Melco Nissan	A628X95371 replacement product	17/64 x40.0 7 Grooves M17	A002TG0281 23100-DC000	Mitsubishi Nissan Interstar Renault Master III
NEW 3 5432 1	Melco Mazda	A628X92071 RF5C-18-330 replacement product alternative product INA:	17/64 x43 mm 8 Grooves M17 3 5353 1	A003TB4981,-6581	Mazda 6 2.0 DI MPV II 2.0 DI
NEW 3 5433 1	Denso Toyota	021040-1100 27415-33020 replacement product alternative product INA:	17/66 x39 mm 5 Grooves M14 3 5436 1	102211-2780 27060-30080 90A	Toyota Yaris 1.4D-4D Yaris Verso 1.4D-4D
NEW 3 5434 1	Denso Toyota	021040-1070 27415-30020 27415-0L030 replacement product O.E. product NSK: alternative product INA:	15/63 x41.4 7 Grooves M14 3 5379 1 3 5394 1	102211-2810,-5600	Toyota
NEW 3 5437 1	Melco	A628X91871 replacement product O.E. product:	17/82 x 34.5 1 Groove V-Belt M17 3 5383 1	A3TA6581A 23100-AD210,-240	Nissan Primera 2.2 d X-Trail 2.2 d
NEW 3 5440 1	Honda NSK	31141-RL0-G01 4DFB503238 O.E. product alternative product INA:	17 /70.4 x 32.5 mm 7 Grooves M14 3 5470 1	104210-1150 31100-RFW-G01 31100-RFW-G51 31100-RL0-G01 31100-RL0-G51	Honda Accord VIII+IX 2.2i -CTDI 2.2l-DTEC 130 A
NEW 3 5451 1	Denso replacement product		17 /62.3 x 38.9 mm 8 Grooves M14	104210-3710 - 3714	Land Rover Diesel

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
NEW **3 5452 1**	Denso Toyota	 27415-26010 replacement product O.E. product: 3 5382 1	17 /64.9 x 39 mm 7 Grooves M14	27060-0G011 104210-4521	Toyota Avensis 2.0/2.2 Diesel Corolla Verso 2.0/2.2 Diesel

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3550 0	Bosch Valeo INA	1 120 591 505 2547129 F-226556-51	Pulley-Cover Dust Cap	fits IKA-No.: 3 3515 1, 3 3518 1, 3 3540 1, 3 3545 1, 3 3548 1 3 3559 1, 3 3560 1, 3 3564 1, 3 3576 1, 3 3577 1, 3 3583 1, 3 3587 1, 3 5324 1, 3 5327 1, 3 5343 1, 3 5345 1, 3 5349 1, 3 5351 1, 3 5352 1, 3 5353 1, 3 5356 1, 3 5357 1, 3 5360 1, 3 5362 1, 3 5380 1, 3 5381 1, 3 5389 1, 3 5403 1, 3 5411 1, 3 5431 1, 3 5436 1, 3 5457 1, 3 5459 1, 3 5463 1, 3 5465 1, 3 5470 1	
3 3551 0	Bosch Valeo INA	1 120 591 506 2546971 F-225653-91	Pulley-Cover Dust Cap	replaced by 3 3554 0	
3 3552 0	Valeo INA	2546990 F-226954-91	Pulley-Cover Dust Cap	replaced by 3 3553 0	
3 3553 0	Bosch Valeo INA	F 00M 148 610 F-230209-91	Pulley-Cover Dust Cap replacement for 3 3552 0	fits IKA-No.: 3 3524 1, 3 3543 1, 3 3555 1, 3 5355 1, 3 5366 1	
3 3554 0	Bosch Delco INA	F 00M 148 611 19054399 F-228824-91	Pulley Cover Dust Cap Replacement for 3 3551 0	fits IKA-No.: 3 3516 1, 3 3517 1, 3 3520 1, 3 3521 1, 3 3522 1, 3 3523 1, 3 3525 1, 3 3526 1, 3 3527 1, 3 3528 1, 3 3529 1, 3 3531 1, 3 3532 1, 3 3533 1, 3 3534 1, 3 3535 1, 3 3537 1, 3 3539 1, 3 3541 1, 3 3542 1, 3 3545 1, 3 3546 1, 3 3547 1, 3 3549 1, 3 3556 1, 3 3557 1, 3 3558 1, 3 3560 1, 3 3561 1, 3 3563 1, 3 3565 1, 3 3568 1, 3 3569 1, 3 3573 1, 3 3574 1, 3 3578 1, 3 3579 1, 3 3580 1, 3 3581 1, 3 3582 1, 3 3584 1, 3 3586 1, 3 3589 1, 3 3590 1, 3 3591 1, 3 5302 1, 3 5307 1, 3 5308 1, 3 5309 1, 3 5310 1, 3 5311 1, 3 5312 1, 3 5313 1, 3 5314 1, 3 5317 1, 3 5319 1, 3 5320 1, 3 5323 1, 3 5326 1, 3 5328 1, 3 5331 1, 3 5332 1, 3 5333 1, 3 5334 1, 3 5335 1, 3 5336 1, 3 5337 1, 3 5338 1, 3 5339 1, 3 5340 1, 3 5341 1, 3 5342 1, 3 5344 1, 3 5347 1, 3 5348 1, 3 5354 1, 3 5358 1, 3 5369 1, 3 5373 1, 3 5374 1, 3 5376 1, 3 5384 1, 3 5385 1, 3 5386 1, 3 5387 1, 3 5388 1, 3 5390 1, 3 5391 1, 3 5392 1, 3 5393 1, 3 5410 1, 3 5414 1, 3 5416 1, 3 5417 1, 3 5418 1, 3 5419 1, 3 5430 1, 3 5431 1, 3 5435 1, 3 5438 1, 3 5439 1, 3 5441 1, 3 5449 1, 3 5454 1, 3 5455 1, 3 5458 1, 3 5462 1, 3 5466 1	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3597 0	Bosch Denso Opel Ford Visteon	F 00M 391 400 93 187 362	Pulley-Cover	fits IKA-No.: 3 3588 1, 3 3592 1, 3 3594 1, 3 3595 1 3 3596 1, 3 5301 1, 3 5325 1, 3 5361 1, 3 5367 1, 3 5370 1, 3 5448 1	
3 3599 0	Bosch	F 00M 148 604	Pulley Cover Dust Cap	fits IKA-No.: 3 3562 1	
3 5322 0	Bosch Opel	F 00M 148 603 F 00M 148 607	Pulley Cover Dust Cap		
3 5350 0	Bosch	F 00M 148 617	Pulley Cover Dust Cap	fits IKA-No.: 3 5363 1, 3 5365 1, 3 5372 1, 3 5377 1, 3 5378 1, 3 5412 1, 3 5461 1	
3 5398 0	Ford Visteon Volvo		Pulley Cover Dust Cap	for IKA No. 3 5371 1	
3 5405 0	Bosch Opel	F 00M 148 618 F 00M 148 619	Pulley Cover Dust Cap	fits IKA-No.: 3 5404 1, 3 5406 1, 3 5415 1, 3 5443 1, 3 5444 1, 3 5445 1, 3 5446 1, 3 5447 1, 3 5460 1	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3530 0	Bosch	Pulley Combitool	Shaft 114 mm	for assembly of INA Types BOSCH Application long shaft and RotoRx® Decoupler Pulleys	3 3562 1, 3 3571 1 3 3572 1, 3 3588 1 3 3593 1- 3 3596 1 3 5301 1, 3 5363 1 3 5332 1, 3 5364 1 3 5367 1,
3 3570 0	Valeo	Pulley Combitool		for assembly of INA Types VALEO Application	3 3533 1, 3 3541 1 3 3543 1
3 3575 0	Denso	Pulley Combitool		for assembly of INA Types DENSO Application (VOLVO)	3 3539 1
3 4200 0	Bosch Valeo	Pulley Combitool	Shaft 74 mm	for assembly of INA Types BOSCH and VALEO Application short shaft	
3 4201 0	Bosch	Pulley Combitool	fine tooth 12 teeth	for assembly of Litens Decoupler Pulleys	3 3592 1, 3 5325 1 3 5361 1, 3 5365 1
NEW **3 4202 0**		Pulley Combitool	Torx T50 6 teeth	for assembly of Litens Decoupler Pulleys	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5306 0	Renault		Pulley Combitool	for assembly of Rubber Clutch Pulley	3 5303 1
3 5409 0	Mitsubishi		Pulley Combitool	3 5379 1, 3 5382 1 3 5383 1	for assembly of DENSO Types japanese Application
NEW **3 5450 0**	LUK	400 0241 10	UNIVERSAL TOOL BOX	for all IDP / OAP Pulleys and Rubber Clutch Pulleys	

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KUGELLAGER

BEARINGS

ROULEMENTS

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8121 0	Bosch	1 120 905 012,017,036,048,049 054,055,062,070-072, 084,086,089,093-096 504,506,507,510,520, 527,531 F 00M 990 415,417,425,426,434	17 / 52 x 17 mm	0 120 465 003,004,013-017,031 0 120 468 019,020,025-027, 030-033,048,049, 057-066,070-072, 075-078,091,092, 094,099,100,102-105, 109-112,116,121-125, 127,129,130,134,139, 141,999 0 120 469 004-007,011,012,531, 744-746,811,812,852-857, 884,894,896,897,905-907, 911,912,920,925-928,930, 941-943,946-948,955,956, 959,960,963,966-969,973, 974,984,985 0 120 485 011,012,022,025,026,047,048, 132,133,135,136 0 120 488 126 0 120 489 323-329 0 121 813 001-007,014,020 0 123 214 002 0 123 215 001 0 123 310 004,005,010-013,022,026,028, 041-044,047,050 0 123 315 003,005,007,013,020 500-503,506 0 123 320 004,010,011,016,020,022,023, 026,028,030,039,042043,051, 052,054,057,065,066,068 0 123 325 007,010,500 0 123 335 001,003-006 0 123 340 006,007 0 123 345 004 0 123 500 001,002 0 123 505 007-009,017,018 0 123 510 002,004,010-016,022, 028,033,041,042,045-047, 060,061,070,071,073, 088,091,092,094, 0 123 512 500,502 0 123 515 002,004,007,010,012,016, 022-025,030,031,501-503 0 123 520 003,004,015,019,020-022, 026,027,030,031,500 0 123 525 500,501,504 0 123 540 002-004 0 123 545 004 0 124 325 053,063,064,067,098,107, 109,110,115,118,119,132, 136,139,161,183,186,211 0 124 355 001,002 0 124 415 015 0 124 425 001,039,045-047,069 0 124 515 017,019,054,103,111, 116,122,136,137,503 0 124 525 001-007,014,020,029, 041,051,060,061,085, 096,105,109-111,129, 130,138 0 124 555 001,003,004,006-008, 011-016,021-023,025, 029,030,032,034, 040-042,044-046,056, 065,553 0 124 615 006-009,015-017,021, 024,026,030,035,038, 040,048 0 124 625 010,029,030,043,046, 051, 0 124 655 001-007,009,011,023, 026,030,036-039,042,

IKA-No.	Original	References	Dimensions	Unit-Nos.
				047,069,082,091,093 6 004 ML0 000-002,004,005 6 033 G30 30B,31B,37B-40B,43B 6 033 GB3 030,031,040 9 123 369 028 F 000 LD1 406 F 002 G10 329,948 F 010 LD0 201,202,205,206
8 8130 0	Bosch	1 120 905 005 1 120 905 103	17 / 52 x 21 mm	0 120 468 053,107,113,115,118, 137,138,140,143,145, 149,154,159,160,162,163 0 120 469 001,013,046,047,101, 115-118,120,686,687, 895,982 0 120 488 256,277,278,282,291, 315,316 6 033 G00 4BY 6 033 G30 81B,82B 6 033 GB3 006,008,010,019,022, 023,027,047,054,055,083 9 120 080 181,219
8 8132 0	Bosch	1 120 900 008,010 1 900 900 391	17 / 62 x 17,5 mm	0 120 400 633,664,667,668,683,684, 695,701,712,713,754,785, 796,797,800,830,842,843, 877,892,929 0 120 469 008,019,024,025,036, 038-041,103,506,509,518, 526,527,540,562,585,592, 691,692,761,796,891,983, 0 120 484 022,024 0 120 488 208,232,271,273,289 0 120 489 032,053,221,224,230,320, 684,726,731,827,944 6 033 GB3 053 9 120 080 031,039,049,055,082,111,132
8 8133 0	Bosch	1 900 910 024 2 120 910 001	15 / 35 x 11 mm	0120 689 503-508,510-518,520-528, 530-535,538-543,545,546, 548-553,555,557-559 561-564,566,567,569-578, 582-585,587,588 0 122 469 001-005 F 000 LD0 202,205-213
8 8316 0	Bosch	1 120 905 035	22 / 56 x 21 mm	0 120 468 028,054,055,136,147
8 8389 0	Bosch	1 120 905 097	17 / 62 x 20 mm	0 120 468 131,132,135,144,146, 155,161, 0 120 469 033,044,104,105, 6 033 G00 1BY 6 033 G30 03B,45B 6 033 GB3 020,021,033-036,045,048
8 8551 0	Bosch SKF	1 120 900 002,012 1 120 905 003 1 900 905 375 6 033 GD7 001 63001 2RS	12 / 28 x 12 mm	0 120 300 550,551,558,559,569,592 0 120 339 515,516,523,528,533,534,546 0 120 450 001-004,009 0 120 469 500-505,510-513,515,517, 524,525,528,533-535,537, 539,541-543-548,551-561, 563,564,566-568,570-576, 578,581-584,586-591,593-595, 598-611,617-620,628,631-633, 635-638,641,642,644,645, 648-651,654,664,665,667-670, 674-677,680,681,694,695, 711,712,721,754,782,783, 791,792,794,795,804-806, 818-821,844,944,945,949, 950,979,981

	IKA-No.	Original	References	Dimensions	Unit-Nos.
					0 120 488 000-012 6 033 GB4 009 9 120 080 212,226,230,232 9 120 143 015-017,033-036,203,204,218 9 120 144 292,600-606,608-624 9 120 333 230 9 120 334 625-628,634-636,638-641 F 000 LD0 100-102,109,112,114-119, 123,124
	8 8552 0	Bosch	1 900 900 206 2 000 900 001	45 / 75 x 10 mm	0 001 510 001-003,005,008-010, 017-041 0 001 608 001 0 001 609 003
	8 8553 0	Bosch	2 120 905 000 2 120 905 004 2 120 905 006	30 / 72 x 27 mm	0 120 600 592 0 120 689 519,520,522,523, 526-531,533-537, 540-549,551-564, 566,567,569-578, 582-585,587-590 F 000 LD0 202,205-213
	8 8554 0	Bosch	1 900 910 032	25 / 52 x 15 mm	0 120 600 525,527,538,554, 558-571,573-592, 0 121 600 507,509,511-516 518-520
	8 8555 0	Bosch	2 000 914 012	25 / 62 x 17 mm	0 001 510 001-003,005,008-010, 017-041
NEW	**8 8659 0**	Bosch	F 00M 990 437	17 / 62x 21 mm	0 124 655 024,057,072,073
	8 8660 0	Bosch	6 003 AC0 294	26 / 58 x 20 mm	0 001 330 004,007,008,011-014, 016,017,501,502 0 001 340 501-503, 0 001 34B B01,H01
	8 8662 0	Bosch SKF	F 00M 990 400,402,403 405,418 BB1-0603A	17 / 35 x 10 mm	0 124 215 001-009 0 124 220 002 0 124 225 001,002,004,009-016, 018-042,045-047,049-055, 058,060,061,063 0 124 310 001 0 124 315 001-008,010-016,018-022, 024-040,043 0 124 320 001,002 0 124 325 001-004,006-024,028, 030-037,039-067,071-079, 081,083,085-089,093-098, 100-102,105-122-134, 136-142,144-146,148-150, 152-154,158,160-168, 170-173,177-180, 182-187,190,191,195,203, 205,211,217,219-221,226,227 0 124 415 001,002,005-016,023,025,026 028,030,032,033,035,037,038, 404,041,043 0 001 425 001,004-011,013,015,018-042, 045-050,053,056-061,069-071, 074,075,077,084-087,096,097,103 0 124 510 001 0 124 515 001,004-006,008,010-013,015, 017-028,031-035,038-051,054-062, 064,068,073,079-091,095-103,105, 109-118,120-122,124-126,131,132, 134,136,137,190,191, 0 124 525 001-010,012-022,026-031,034,035, 038-051,053,055-061,063,064,066, 067,069,070,072,074-076,078,

IKA-No.	Original	References	Dimensions	Unit-Nos.
				080-098,100-103,105-107,109-111, 113-116,119,125,126,128-130,132, 133,135-141,143,146-148,151, 154-156,161,167,168,171,174,187, 188,192,195,200,201,207,208,210, 215,216,222,223,508,511
				0 124 555 003,005,006,010,013,014,028,032, 040,041,044-046,052,056,061,065 553
				0 124 615 002,006-009,012-022,024-029, 031-033,035,038,040-044,046-049, 055
				0 124 625 001-007,010,014,015,017-020, 022-026,028-033,043,045,046,051
				0 124 655 003,005,006,009,011,013,023,030, 033,036,037,039,042,047,069,082, 091,093,097
				6 004 MA5 008
				6 004 ML0 000-002,004,005,012,017,024
				9 124 225 037
				9 124 690 001,002
				F 000 LD0 700
				F 002 G10 827,834
				F 004 225 000,100
				F 004 315 000,100
				F 004 692 004
8 8663 1	Bosch	9 001 453 666	Bearing Kit	0 001 371 001

	IKA-No.	Original	References	Dimensions	Unit-Nos.
	8 8134 0	Denso KBC	949100-2700 6304 2RSC3	20 / 52 x 15 mm	
	8 8140 0	Denso	949100-2140	12 / 35 x 18 mm	100211-0071,0081,0280, 0290-0292,0790, 0995,2950 121000-2180
	8 8141 0	Denso	949100-3820,3821 -5750	15 / 52 x 16 mm	028000-8850 100211-3081,3090,3091,3101 3141,3151,3180,3181, 3220,3221,3321,3352, 3401,3410,3490,7000
	8 8265 0	Denso	949100-3270	15 / 36 x 18 mm	100211-1600
	8 8315 0	Denso	949105-0110	12.5 / 17 x 17 mm	028000-6490,6491,6492,6493, 6494,6495,7091,7092, 7093 128000-1620,1621,1683,2421, 2430,2431,2530,2540, 2550
	8 8434 0	Denso	949100-3440	15 / 43 x 24 mm	100211-2110,2160,3200,3210
	8 8538 0	Denso Toyota	949100-3190,3290 90099-10152	15 / 43 x 13 mm	100211-1000,1001,1010,1011, 1020,1021,1030,1031, 1040,1041,1050,1060, 1061,1070,1071-1074, 1080,1081,1090,1091
	8 8539 0	Denso	949100-3330,4370 -5010,6750	17 / 52 x 16 mm	100211-0120,2400,2820,2830, 2840,2850,2860,5020, 6000,6010,6020,6030, 6031,6050,6060,6080
	8 8540 0	Denso	949100-3360,3361,3380, -3450,3461,3462, -4620	15 / 46 x 14 mm	081000-1321,1480,1611,1660, 1700,1701,1740,1760, 1970,2100,2430,2440, 100210-3070,3190,3210,3381, 3410
	8 8541 0	Denso	949100-3480,3481	15 / 38 x 19 mm	100211-1280,1520,1560,1570, 1571,1601,1620,4111, 4112,4140,4141,4160, 4170,4240,4250,4280, 4290
	8 8545 0	Denso	949100-2790,3980 -4440,5360	15 / 35 x 13 mm	100210-3070,3190,3210,3381, 3410,3470,3480,3700, 3780 100211-0120,1000,1001,1010, 1011,1020,1021
	8 8546 0	Denso Toyota	949100-3170,3230 -3650,3660 90099-10154	15 / 32 x 11 mm	100211-1280,1400,1411,1420, 1440,1492,1520,1550, 1560,1570,1571,1580, 1590,1600,1601,1610, 1620,1630,1640
NEW	**8 8547 0**	Denso Poong-Sung		17 / 52 x 15 mm 6304 DR	02131-9040
	8 8670 0	Denso	949100-4840	8 / 28 x 9 mm	228000-2120,2680,2690,2700, 2980,2990,3260,3840, 3850,3851,3920,3980, 4050,4291,4570,4830, 5120

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8135 0	Hitachi Melco Nissan	6202 NCD,NCDG,NCT S930P18301,-18370 64301,-64370 23129-05E06 B 15-69 with snapring	15 / 35 x 13 mm	LR1100-501,501B,502E,503 503B,503C, LR140-410,410B,410F,410G, 411,411B A2T01077,01384,01483,01583, 01683,01783,01976,02084, 06384,07677,07777,08799, 09884,10083,14376,14876, 18476
8 8138 0	Hitachi Melco Nissan	6202 NC MD611476 23129-05E06 23129-16A00 23129-61501 23129-V6600	15 / 35 x 11 mm with snapring	
8 8169 0	Hitachi	6302 NC	15 / 42 x 13 mm with snapring	23099-Z5562 LR225-68B,80,80B, LR235-58,62,68,69,70,70B, 75C,75E,78,78B,78C
8 8220 0	Hitachi	6201 NCD,NCDP B 12-57 with snapring	12 / 32 x 13 mm	LR1110-701B,703B,704 LR1125-701 LR150-199 LR155-502B,502C,502E, 503,504
8 8260 0	Hitachi Nissan SKF	2114-25502,-25511 -35511 23338-M4900 6903 2RS1	17 / 30 x 7 mm	S114-252F,253B,254C,254D 255A,256B,257,257G, 257H,258C,264,268, 290B,293,296A,322A
8 8261 0	Hitachi Nissan SKF	2114-35502,75502 -95502 2130-5509 23358-M4900 6904 2RS1	20 / 37 x 9 mm	S114-252F,253B,254D,255A, 256B,257,257G,257H, 258C,264,290B,293, 322A,338A,339A,339C
8 8262 0	Hitachi Nissan SKF	2130-3302 23441-J5500 6905 2RS	25 / 42 x 9 mm	S13-33,33A,33B,34A,37, 37B,38A,38B,40,40A, 41,41A S13-107A,118,138,138A,
8 8666 0	Hitachi	6202 LLBC3 with 2 teflon rings	15 / 35 x 11 mm	
8 8685 0	Hitachi	6900 BPL B 10-46 D	10 / 23 x 11 mm with snapring	LR140-701 LR145-701,701E, LR160-702B,703B,709,710 LR170-701,701B,701E,702B
8 8687 0	Hitachi Nissan	6000G,-HC,-HL,-TR 23120-58S01 B 10-50 D	10 / 27 x 11 mm with snapring	LR1100-703,703B,704,704B 704E,705,705B,705C, 705E,708,708B

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8333 0	Marelli/Fiat		16.96 / 34.97 x 9.94 mm	A115i, A127i
	SKF	BB1-3036		(internal fan)
	NSK	6003 DW		

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8131 0	Melco Mazda	S930P61201,-65370 6201 DW with snapring S210-24-523	12 / 32 x 10 mm	A1T32084,32099,32176, 33076,33576,33676, 33771,70676,71076, 71176,71276,71576 A2T25979,27176,27376, 31574
8 8139 0	Melco Mitsubishi	S930P64570 with 2 teflon rings MD618179	10 / 27 x 14 mm	A3T06291,A3TA0593 A4T00891,00991,01493,01693, 01793,01893,02891,02892, 02893,02991,03091,03191, 03292,03293
8 8253 0	Melco Mitsubishi	S930P64870 MD618338	17 / 47 x 24 mm	3G-Series DE A2T16994,21072,34794, 37591,41599, A2TA0291,1991, A3T01872,06291, A4T01493,01793,01893, A5T06291
8 8255 0	Melco	6902 LLUC3	15 x 28 x 7 mm	Honda Gear Reduction Starters
8 8306 0	Melco	6004 DW with bushing	18.73 / 42 x 12 mm	M2T57871,57881,61771,67881, 67882,67883,67981,69081, 69381,78372,78381,78382, 78383,78481,78482
8 8312 0	Melco	S930P80570 B17-116 DG	17 / 52 x 18 mm	A2TA3891,-A,-B A2TB7991, A3T08491,-A,11591,12291,-A, 12491,12991,13091,13191
8 8429 0	Melco Mitsubishi	M690X00571,-572 ME 701484	Bearing Set 6004 LLUC3 20 / 42 x 12 and oil seal	M2T80772,S0071,S0271,S5071 M8T50271,55171,70371,71571, 75171,77071,77072,77074, 77075,80071
8 8430 0	Melco Mitsubishi	M410X14171 ME 701024	Bearing Set 6004 DW with bushing 18.73 /42 x 12 and oil seal	M2T57871,57881,61771,67881, 67882,67883,67981,69081, 69381,78372,78381,78382, 78383,78481,78482 M3T61071
8 8431 0	Melco	6906 2RS1	30 x 47 x 9 mm	M1T60081,60181,60185,60281, 60285,60581,61181
8 8435 0	Melco	6906 DW with 2 grooves inside	30 x 47 x 9 mm	M0T60081,60181,60187, 60281,60285, 60381,
8 8536 0	Melco	S930P63070,-65270 6303 LH B 15-86D	15 / 47 x 14 mm	A1T01591,01691,02091,02191, 02291,03191,03292,03392, 03672,03872,03972,04072, 04172,04272,04491,04495, 04572
8 8556 0	Melco Mitsubishi	M410X12971 ME700849 6904 DW 2RS with bushing	18.73 / 37 x 9 mm	M2T50391,51082,51085,54091, 54272,54572,54871,56071, 56185,64178,64271,66871, 66872,66873,67871,
8 8680 0	Melco	6904 DW ZZ with bushing	18.73 / 37 x 9 mm	M3T19971
8 8682 0	Melco	S930P64470,-65470 B17-107 D	17 / 47 x 18 mm	A2T13391,-C,-D,-E,13894, 14591,14592,18792, 27594,27892,29594, 33493,34692A,35791, 35891

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8686 0	Melco Mitsubishi	S930P18470 B 15-83 D B 15-84 DW MD611410	15 / 47 x 18 mm	A2T02394,-B,03291,04577, 04578,04598,04599, 06091,06092,14694, 17491,47794,-B,48594
8 8689 0	Melco	S930P63605,-63670 S933P63670 B 8-23D w. 2 teflon rings	8 /23 x14 mm	A1T02674,03191,03292, 03392,03672,03872, 03972,04072,04172, 04272,04491,04495, 04572,06191,06391,
8 8689 1	Melco	S930P18501,-18570 B 8-85 D with snapring	8 / 23 x 14 mm	A1T01791,02091,02191,02291, 04691,04791,04892,04991, A2T02394,-B,04377,04477, 04577,04598,04677,05772
8 8690 0	Melco Mitsubishi	S930P17901,-17970 B 8-79 D with snapring MD611150	8 / 23 x 11 mm	A0T25171,25271,25371, 25373,25471 A1T01591,01691,01991, 02471,34472,34572, 34672,40191,40291, 40671,40791
8 8691 0	Melco	S930P17170 B 8-74 D with snapring	8 / 22 x 11 mm	A1T40391,40491 A2T06577,40571B,40577B, 41991,42571,42599, 45272,45771,48195 A5T40374,41277, A7T30271,30371

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8433 0	Remy	1989711 1047 2207,-4532	10 / 26 x 08 mm w. 2 teflon rings	CS144 1047 9809,9836,9838,9839, 9843,9844,9847, 9853-9855,9884,9904, 9907,9920,9921,9959, 9974,9976
	Ford			3G-series

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8212 0	Melco Valeo	B 17-99 592905,592936, 593674	17 / 52 x 17 mm	Valeo A14VI10
8 8212 1	Valeo	592905,592936 593674	17 /52 x17 mm	A13V02,05,07, A13VI67,69,71,74,75,77,81, 94,95,99-102,134,135, 138,170,201 A14VI10
8 8278 0	Valeo	102130	17 / 62 x 17 mm	A13N236M A14N1,2,4,9,10,12-14, 118M,119M,141M
8 8280 0	Valeo	593691	15 / 40 x 12 mm 6203 LHA	A13VI100,170,174-176,199
8 8546 1	Valeo	592866,593690	15 /32 x 11 mm	A11VI10,11,15-18,21-26 28-31,51 A13VI132,139,141,144

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8119 0	NTN	6203 LLUC3	17 / 40 x 12 mm	
8 8120 0	NTN	6201 LLUC3	12 / 32 x 10 mm	
8 8125 0	NTN	6202 ZZC3	15 / 35 x 11 mm	
8 8142 0	KBC	6304 2RSC3	20 / 52 x 15 mm	
8 8143 0	NTN	6001 LLUC3	12 / 28 x 8 mm	
8 8144 0	NTN	6002 LLUC3	15 / 32 x 9 mm	
8 8145 0	NTN	6301 LLUC3	12 / 37 x 12 mm	
8 8156 0	NTN	6200 LLUC3	10 / 30 x 9 mm	
8 8157 0	NTN	6202 LLUC3	15 / 35 x 11 mm	
8 8158 0	NTN	6303 LLUC3	17 / 47 x 14 mm	
8 8210 0	NTN	6000 LLUC3	10 / 26 x 8 mm	
8 8213 0	NTN	6003 LLUC3	17 / 35 x 10 mm	
8 8214 0	NTN	6004 LLUC3	20 / 42 x 12 mm	
8 8215 0	NTN	6005 LLUC3	25 / 47 x 12 mm	
8 8216 0	NTN	6006 LLUC3	30 / 55 x 13 mm	
8 8218 0	NTN	6008 LLUC3	40 / 68 x 15 mm	
8 8222 0	NTN	6204 LLUC3	20 / 47 x 14 mm	
8 8224 0	NTN	6205 LLUC3	25 / 52 x 15 mm	
8 8226 0	NTN	6206 LLUC3	30 / 62 x 16 mm	
8 8227 0	KBC	6207 2RSC3	35 / 72 x 17 mm	
8 8228 0	KBC	6208 2RSC3	40 / 80 x 18 mm	
8 8235 0	NTN	6300 LLUC3	10 / 35 x 11 mm	
8 8236 0	NTN	6302 LLUC3	15 / 42 x 13 mm	
8 8237 0	KBC	6302 ZZC3	15 / 42 x 13 mm	
8 8238 0	KBC	6304 ZZC3	20 / 52 x 15 mm	
8 8239 0	NTN	6305 LLUC3	25 / 62 x 17 mm	
8 8241 0	NTN	6306 LLUC3	30 / 72 x 19 mm	
8 8243 0	KBC	6307 2RSC3	35 / 80 x 21 mm	
8 8244 0	NTN	6308 LLUC3	40 / 90 x 23 mm	
8 8427 0	NTN	62201 LLUC3	12 / 32 x 14 mm	

IKA-No.	Original	References	Dimensions	Unit-Nos.
5 8119 7	SKF	6203 2RSH	17 / 40 x 12 mm	VPE 210
5 8120 7	SKF	6201 2RSH	12 / 32 x 10 mm	VPE 384
5 8124 7	SKF	6003 2Z	17 / 35 x 10 mm	VPE 312
5 8134 7	SKF	6304 2RSH	20 / 52 x 15 mm	VPE 85
5 8143 7	SKF	6001 2RSH	12 / 28 x 8 mm	VPE 630
5 8144 7	SKF	6002 2RSH	15 / 32 x 9 mm	VPE 432
5 8147 7	SKF	6608 ZZ	8 / 22 x 7 mm	VPE 300
5 8148 7	SKF	6607 2RS1/ H	17 / 19 x 6 mm	VPE 1
5 8153 7	SKF	6609 2RS1/ H	19 / 24 x 7 mm	VPE 1
5 8155 7	SKF	6627 2RS1 /H	17 / 22 x 7 mm	VPE 1
5 8156 7	SKF	6200 2RSH	10 / 30 x 9 mm	VPE 495
5 8157 7	SKF	6202 2RSH	15 / 35 x 11 mm	VPE 273
5 8158 7	SKF	6303 2RSH	17 / 47 x 14 mm	VPE 120
5 8186 7	SKF	626 2RS1 /H	6 / 19 x 6 mm	VPE 210
5 8187 7	SKF	6629 2RS1 /H	9 / 26 x 8 mm	VPE 350
5 8210 7	SKF	6000 2RSH	10 / 26 x 8 mm	VPE 350
5 8213 7	SKF	6003 2RSH	17 / 35 x 10 mm	VPE 312
5 8214 7	SKF	6004 2RSH	20 / 42 x 12 mm	VPE 182
5 8215 7	SKF	6005 2RSH	25 / 47 x 12 mm	VPE 140
5 8216 7	SKF	6006 2RS1	30 / 55 x 13 mm	VPE 90
5 8222 7	SKF	6204 2RSH	20 / 47 x 14 mm	VPE 120
5 8224 7	SKF	6205 2RSH	25 / 52 x 15 mm	VPE 85
5 8226 7	SKF	6206 2RSH /1	30 / 62 x 16 mm	VPE 60
5 8227 7	SKF	6207 2RSH /1	35 / 72 x 17 mm	VPE 32
5 8236 7	SKF	6302 2RSH	15 / 42 x 13 mm	VPE 156
5 8239 7	SKF	6305 2RSH /1	25 / 62 x 17 mm	VPE 48
5 8241 7	SKF	6306 2RSH /1	30 / 72 x 19 mm	VPE 32
5 8263 7	SKF	6608 2RS1/H	8 / 22 x 7 mm	VPE 300
5 8551 7	SKF	63001 2RS1C3	12 / 28 x 12 mm	VPE 1
8 8137 0	FAG	62304 2RSR	20 / 52 x 21 mm	

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8256 0	Remy SKF	10473711 62000 2RS	10 / 26 x 10 mm	CS130 1047 9902,9903,9905,9906, 9909,9910,9911,9912, 9913,9922,9938 1048 0025,0027,0028,0035
8 8257 0	SKF	62303 2RS	17 / 47 x 19 mm	
8 8258 0	FAG	62302 2RSR	15 / 42 x 17 mm	
8 8259 0	FAG	62305 2RS	25 / 62 x 24 mm	
8 8679 0	FAG	62202 2RSR	15 / 35 x 14 mm	

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ABDECKKAPPEN

COVERS

CAPOTS ALTERNATEURS

ABDECKKAPPEN
COVERS

IKA-No.	Original	References	Unit-Nos.
1 3660 0	Bosch	1 125 500 108, 128,603 Cover	0 120 485 034,036,038,039,043,044 0 123 310 001-003,018
1 3661 0	Bosch	1 125 500 062,156,167 Cover	0 120 485 025,026,047 0 123 310 004,026,028,042 0 123 320 004
1 3662 0	Bosch	1 125 500 058,086,116, 190,623 Cover	0 120 485 011,012,022 0 123 310 005
1 3664 0	Bosch	1 125 500 085,152,185,564 Cover	0 120 335 006,007,011,012 0 123 110 004
1 3667 0	Bosch	1 125 500 119 1 125 500 192 Cover	0 120 465 003,004,013-017 0 123 500 001,002,017
1 3671 0	Bosch	1 125 500 154,510,572 Cover	0 123 100 001,002 0 123 110 005 0 123 120 001 9 123 100 002,005 9 123 120 001
1 3678 0	Denso	021551-1480 Cover	100211-8000,-8010,-8020,-8030, -8060,-8070,-8090,-8100, -8110,-8120,-8130,-8150, -8190,-8240,-8250,-8260, -8280,-8300,-8350,-8380, -8392,-8410,-8420,-8431, -8450,-8480,-8490

ABDECKKAPPEN
COVERS

	IKA-No.	Original	References	Unit-Nos.
	1 3635 0	Marelli Fiat	836 177 21 855 600 11 855 607 01 Cover	AA125R 63320023,63321057
	1 3650 0	Valeo Ducellier Motorola	590651 V294-0 Cover	2541395,2541396,2541402 2940303,2940304,2940305A, 2940308,2940360,2940365, 2940369,2940371 Replacement Original: see 1 3706 0
	1 3601 0	Valeo Paris Rhone	100845 590564 590580 Cover	A13N2M
	1 3609 0	Valeo	590566 Cover	A14N73,-75,-95,-104, A14N138,-140,-180,-205
	1 3610 0	Valeo Paris Rhone	100995 590563 Cover	A14N4,9,10,13,14,19,22,23,35-37,39,40, A14N42,50,51,53-56,59,63,65
	1 3620 0	Valeo Ducellier	023055 Cover	7522B,C, 7529A,C, 7532A-E 7534A-E,7556A
	1 3627 0	Valeo Ducellier	691222 Cover	516006C-E, 516020A-D, 516023A-D, 516024,-B, 516025, 516026

ABDECKKAPPEN
COVERS

	IKA-No.	Original	References	Unit-Nos.
	1 3651 0	Valeo	592942 Cover	A11VI11,23,-24,-25,-32,-33 A13VI46,49 w. internal fan
	1 3652 0	Valeo	592946 Cover	A11VI10,-15,-16,-17,-18,-47,-48,-91 A13VI30,-48,101,-102,-203
	1 3655 0	Valeo	592944 Cover	A11VI26,-28,-30,-31,-59-,61 A13VI11,14,16,17,20,21,23,25,32,34,35,45, 47,55,57,64,65,97,104-107,131,153
	1 3657 0	Valeo	591015 593247 Cover	A14VI10,-11,-13,-14-,30,-31
	1 3658 0	Valeo	592940 593295 Cover	A13VI10,-17,-63,-67,-69,-77,126,137,138 -155,-173
	1 3687 0	Valeo	592941 593237 Cover	A11VI64 A13VI18,76

ABDECKKAPPEN
COVERS

	IKA-No.	Original	References	Unit-Nos.
	1 3688 0	Valeo	591105 593291 Cover	A11VI67,79,81,85 A13VI157,163-167,184,185
	1 3689 0	Valeo	593315 Cover	A13VI179,207-213,216-218,224,227, A13VI254,255,264-267
	1 3690 0	Valeo	593317 Cover	A11VI87 A13VI188,235
	NEW **1 3701 0**	Valeo	593417 593834 Original Cover	SG12B015,-042,-047,-049 SG14B010,-011,-042
	NEW **1 3702 0**	Valeo	593848 Original Cover	
	NEW **1 3703 0**	Valeo	593367 Original Cover	A13VI241

ABDECKKAPPEN
COVERS

	IKA-No.	Original	References	Unit-Nos.
NEW	**1 3704 0**	Valeo	593504 Original Cover	SG8B023,-026 SG9B048,-055,-057
NEW	**1 3705 0**	Valeo	593416 593481 Original Cover	SG8B011,-013,-015-018 SG9B013,-015,-018,-019,-023,-024,-049
NEW	**1 3706 0**	Valeo	590651 Original Cover	2541395,-1396,-1402 2940303,-0304,-0363,0365, -0369,-0371 Replacement: 1 3650 0

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VERSCHIEDENE ALTERNATORTEILE

VARIOUS ALTERNATOR PARTS

DIVERSES PIECES DE ALTERNATEURS

IKA-No.	Original	References	Dimensions	Unit
1 3500 0	Bosch	1 123 429 235 Thru Bolt	M 5 x 132 mm	0 120 468 053,107,113,115, 137,138,142,143, 145,149,155,161, 0 120 469 119,120 0 120 488 256,277,278,282, 291 0 120 489 315,316 6 033 G00 1BY,-4BY 6 033 G30 03B,-81B,-82B 6 033 GB3 006,010,023,045,054,083
1 3501 0	Bosch	1 123 429 102,202 Thru Bolt	M 5 x 108 mm	0 120 300 550,551,569,592 0 120 339 528,533,534 0 120 400 600-603,606,608,609,611, 620,621,626-631,637,639-642, 649,650,653,673-675,681,682, 688,689,694,699,700,710-713, 722,723,736,742,743,752,753, 771,772,782,783,794,795,800, 823-825,833,834,839-841,852, 853,858,859,884,889,890,912, 913,921,922,928,938,939,943, 947,948,951-954 0 120 450 009,011-014,016-031 0120 469 004-007,009,016,017,032, 512,513,517,531,559,563,564, 566-568,570-574,588-591,594, 595,608,609,611,617-624,628, 639,640,642,644,645,648,649, 655-662,664,665,668-672, 680-685,688,694,695,713,747, 748,750,751,754,757-759, 777-779,781-789,793-795,799, 800-802,804-810,815-817, 827-830,837,838,844,878,879, 881-883,906,907,909-916,918, 919,921-924,935,944,945,949, 950,958,966-969,973,974,984, 985,988,991-997 0 120 484 001,009,012,015,018-021, 030-036,038,039,042 0 120 488 100,101,114,120-122,129-131, 134,138,139,142,143,146-153, 178-181,183-185,194,195,211, 214,215,219-221,225,229-231, 233,234,250,251,254,257-262, 274,280,283-285,287,295,299, 300-303,309-311,313-315, 0 120 489 001,018,027-029,036-040, 045-052,054,065,066,072-075, 090-093,095-097,099,103, 106-119,122,125,130,131, 134-147,151-155,162,170,171, 173,174,181,182,189-194, 215-217,220,244,258,259,267, 272,273,285,287,289-291,295, 297,307-312,,318,319,334-340, 343-345,349-353,358,384,385, 387,389-395,402-405,408,424, 450,455,460,461,465-467, 471-478,481,485-487,490-494, 498,506,507,533,543,586,588, 590,594,595,602,604,605,624, 626-632,635,636,644-646,648, 666-668,671,680,692,702,763, 767-770,775,776,778,780,781, 788,802,806,838-841,843, 847-851,854,855,874,879,880, 889,895,896,898,895,933,949, 952,955-959,984,985 0 120 888 888 6 033 G20 67B 6 033 G30 46B 6 033 GB2 009 6 033 GB3 046,049 6 033 GB5 001,010 9 120 060 684 9 120 080 012,039,055,058,089,139,141, 157,168,188,190-195,203,206, 212-214,221,223,226,228,230,232 9 120 144 205,206,216,217,236,237 9 120 334 317,318,328 9 120 335 003

IKA-No.	Original	References	Dimensions	Unit
				9 120 690 006,013,019-021,098,146,150, 152,154,155,167,170,172,174, 182,208,210,214,220,226,229, 239,244,260,261,275,283,304, 308,327,329,377,398,405,407, 409,416,417,422,424,427,431, 445,450,456,459,465,470,475, 476,487,490,493 F 000 LD0 100-102,106, F 000 LD1 123,124 F 010 LD0 001,103
1 3502 0	Bosch	1 123 429 116,216 Thru Bolt	M 5 x 96 mm	0 120 400 618,619,660-664,671,672, 685,690,691,697,698,701, 715,737,773,775,778,779, 806-810,843,845,846,866, 867,869,872,873,878,885, 893-896,899-903,906,934, 944,945, 0 120 468 019,020,070,109,112, 121-123,141 0 120 469 035,980 0 120 484 004,010,028,049 0 120 488 102,103,118,119,123,124, 160,161,166,167,200,201, 296,297 0 120 489 024-026,030,031,043,044, 057,058,061,064,149,150, 167,168,184,298-302,397, 398,469,470,479,480,482, 483,488,489,526,527,556, 683,686-688,717,718,729, 748,749,751,786,829,917, 918,928,930-932,935,936 9 120 144 010,011,016,026,028,039, 040,111-127,130-133,202, 204,209,218-224,227, 229-233,235,240-245, 254-258,261,265-274, 277-281,283-290,293-298, 302,303, 9 120 334 137,306-312,319,323,324 9 120 690 011,012,014,015,024,461
1 3679 0	Bosch	1 120 591 076, -103 Bearing Cap	40/43 x 16.6 mm Bearing 6303	0 120 335 008,010 0 120 465 003,004-009,011-018,020,023, 026-029,031 0 120 485 005-008,011,012,015-018,020, 022-026,028-030,032,034,036, 038,09,041,043,044,046-048,050 0 123 100 001-003 0 123 105 002,003 0 123 110 005-008 0 123 114 005 0 123 115 009-014 0 123 210 001 0 123 212 001 0 123 213 006,007 0 123 214 002 0 123 310 001-008,014-020,022-029,031-035, 037-044,046-050,053-055 0 123 315 001-008,013,015-023 0 123 315 500,502,503 0 123 320 001-012,014,016-028,030-034, 036-039,048,050-052,054,055,057, 059,063,065-067 0 123 325 002-008,010-015 0 123 335 001,003-006 0 123 340 001-003,005-007 0 123 345 004 0 123 500 001,002,004-009,011 0 123 505 001-005,007-018 0 123 510 001-009,012-017,020,022,026-034, 037,041-043,045-047,052-054,056, 061-065,069-071,088,089,091-094, 096,099,105,106,109 0 123 515 002-004,007014,016-018,020-025, 028,030,031 0 123 520 003,004,019-021,026,027,031 0 123 540 001-004 0 123 545 001-004 9 120 485 048 9 123 100 002 9 123 110 005

IKA-No.	Original	References	Dimensions	Unit
				9 123 120 001 9 123 310 020,029,048 9 123 315 019 9 123 320 007,016 9 123 325 002,011 9 123 335 002 9 123 369 023,028,044 9 123 510 068 9 123 515 022 9 123 520 017 F 010 LD0 202,205,206
1 3680 0	Bosch	1 120 591 075 Bearing Cap	34/35 x 42.0 mm Bearing 6201	0 120 468 007,008013,014,023-027,030-034, 042-044,048-051,056,061-064,067, 071-078,091,092,095-100,102-105, 108,110,111,126,143,145 0 120 469 004-007,009,016,017,032,100-103, 107-120,646,655-662,671,672,688, 733,735,743,747,748,775,776,781, 799-802,822833,834,862-864, 868-871,874,876,877,899,901,902, 906,907,909-912,921-924,958,961, 962,966-971,973,974,985,988-990 0 120 484 001-003,011,012,015-022,024-027, 050,051 0 120 488 109-112,114,134,138,144-150, 156-182,185-187,189-193,200-206, 209-211,217,218,228,233,234,242, 243,249,255,267,280,281,283,285, 286,290,293,294,298,299 0 120 489 090,092,093,244,251,252,287,289, 292,325-330,345-347,384,385, 389-392,408,406,461,477,478 6 033 G00 4BY 6 033 G20 67B 6 033 G30 46B,81B,82B 6 033 G3B 022 6 033 GB2 009 6 033 GB3 009,010,019022,023,027,046,047, 055,083 9 120 690 444,491,492,496,501 F 002 G10 808
1 3681 0	Bosch	1 120 591 082 Bearing Cap	32/35 x 15.0 mm Bearing 6201	0 120 400 704,705,758,759,806-811,814, 860,861,864-869,872,873,885, 898-903,906,947-954 0 120 450 030,031 0 120 468 004-006,009-012,015,016,029, 035,036,045,046,057-060,080-086, 101,119,120,125,163 0 120 469 020,021,028,029,034,035,046,047, 647,666,682-685,689,690,696-708, 710,713-720,722-732,734,736-742, 744-746,750,751,757-759,774, 777-780,784-789,793,808-817, 829-831,835-838,845-848,856-861, 865,873,875,878,879,881-884, 892-894,896,897,904,913-916,918, 919,925-943,946-948,976,977,980, 991-997 0 120 484 004-008,010,013,014 0 120 488 102,103,115,120-124,142,143,183, 184,196-199,219,220,226,227, 236-241,244-247,258-265,272,274, 279,287,300-303 0 120 489 001,047-052,054,074,075,084, 086-088,091,095-101,104,105,148, 172,175,176,213,214,245,267,268, 288,290,291,304,305,310-312, 360-383,395,403-405,418,419, 421-423,425-449,451,471-474, 482-484,488-492,495--497,499, 508-511,536,561,562,568,588,590, 594,594,601,602,604,605,624,664, 666-668,671,680,692,706,802-804, 806,839,841,843,847-851,854,855, 889,894-896,939,940,956-959 0 120 888 888 9 120 080 129,131,163,164,167-169,172,180, 185,203,204,206,214,217,500-502 9 120 144 222-224,227,281,282,289,290,301, 317,318,323,324,328 9 120 690 291,292,325,335,355,435,438,449, 460,469,485,488,499,500

IKA-No.	Original	References	Dimensions	Unit
				9 120 699 044 F 000 LD0 104,500
1 3684 0	Bosch	1 120 591 060 Bearing Cap	32/35 x 18.8 mm Bearing 62201	0 120 450 010,015 0 120 468 028,037,053-055,065,066, 093,094,107,113-116,118, 124,129-132,135-140,142, 144,146,147,149,154,155, 159-162,999 0 120 469 001,008,013,014,018,019, 024,025,030,033,036,038-041, 043,044,104,105,518-523, 526,532,540,562,569,579, 580,585,592,629,630,643, 652,653,686,687,692,693, 749,752,753,761-763,772, 773,796-798,807,843,850-855, 891,895,900,905,920,951, 952,955,956,959,960,963, 982,983 0 120 488 125,137,153,208,224,232,256, 268-271,273,277,278,282,289, 291,292 0 120 489 022,023,027,060,071,156,192, 224,226,227,230,303,315-317, 320,387,388,643,658,684, 702-704,710,729-731,733,756, 779,827,885,886,944 6 033 G00 1BY 6 033 G20 68B 6 033 G30 03B,14B,30B31B,37B-40B, 43B,45B,57B,58B60B 6 033 GB3 006,008,014,020,021,030,031, 033-036,040,045,048,053,054 9 120 144 111-127,130-133 9 120 334 137,315,316,329 F 002 G10 329
1 3685 0	Bosch	1 120 591 102,116 1 120 591 509,511 Bearing Cap	42.9 x 47 mm Bearing 6303	0 120 335 006,007011,012 0 123 110 004,009 0 123 215 001 0 123 310 010-013,051,052 0 123 315 501,506 0 123 320 042,043,068 0 123 325 500 0 123 510 010,011,048,060,073,095 0 123 512 500,502 0 123 515 501-503 0 123 520 015,022,030,500 0 123 525 500,501,504 0 124 515 503 9 123 690 001 F 010 LD0 201
1 3686 0	Bosch	F 00M 146 900,901 Bearing Cap	35/37.75 x 50 Bearing 6003	0 124 0AC 5HB 0 124 0AD 7EB 0 124 215 001-009 0 124 220 002 0 124 225 010-016,019,021,026-029, 031,031,035,036,038-042, 045,047,051,052,055,056, 058,062,063,068 0 124 310 001 0 124 315 001-008,010-016,018-022, 024-029,031,032,035-039,042 0 124 320 001,002 0 124 325 001-004,006-022,024,028-037, 039-043,045,047-053,056-064, 066,067,071-079,085-089,093, 096-098,100-102,105-111, 115-120,122-124,126-132,134, 136-140,145,146,148-151,155, 158,161,162,167,171,177,178,

IKA-No.	Original	References	Dimensions	Unit
				180,183-186,190,203,205,207, 215,217,219,220,224,228
				0 124 355 003,012
				0 124 415 001,005-007,009,011-016,023, 025,026,030,032,037,038,040, 041,043
				0 001 425 001,007,008,011,013,018, 029-034,036-039,041,042, 045-047,049,069-071,074,075, 090,093,100-102,105
				0 124 510 001
				0 124 515 001,004,008,010-013,015,017, 019-022,024-028,034,035, 038-042,044,050,051,054, 057-059,068,073,079,083,087, 090,097,098,101,103,105,109, 110,112,113,116,117,120-122, 124,136,137,186,187
				0 124 525 001-010,014,019,020,022, 026-029,034,035,038,041-045, 047-051,053,056,057,059-061, 063,064,066,067,069,070,072, 074-076,078,080-084,087,096, 097,101-103,105-108,110,111, 119,125,126,129,130,132,133, 135-141,151,161,174,192, 206-208,216,508,522-524,529
				0 124 555 003,005,006,008,010,013,014, 017,024,030,034,054,056,063, 067,553
				0 124 615 002,006-009,016,017,021,024, 027,035,038,040,048
				0 124 625 015,029,030,050
				0 124 655 003,005-007,009,011,026,030, 065,080-082,091
				6 004 MA5 008
				6 004 ML0 000-002,004,005,012,017,024
				9 124 225 037
				9 124 690 001,002
				F 000 LD0 700
				F 002 G10 827,834
				F 004 225 000,100
				F 004 315 000,100
				F 004 692 004

IKA-No.	Original	References	Dimensions	Unit
1 2234 0	Hitachi	2084-0631 O-Ring	61/65 x 2	LR 140-119,-124C,-125B, -125C,-130B,-130P, -406,-410 LR 1100-501,-502E
1 2336 0	Hitachi	L150-1922,-5922 Oil Seal	15/32 x 7.5	LR140-410BA,-F,-G LR140-411 LR1100-501,-502E,-503,-B,-C

IKA-No.	Original	References	Dimensions	Unit
1 2363 0	Lucas	54960402 60600983	terminal plug kit	ACR

IKA-No.	Original	References	Dimensions	Unit
1 3616 0	Ducellier Paris Rhone	Bearing Cap	32/32.8 x 16.2 mm Bearing 6201	A11, A13VI A14VI16
1 3617 0	Ducellier Paris Rhone	Bearing Cap	32/34.3 x 16.2 mm	A13VI 132
1 3618 0	Ducellier Paris Rhone Valeo	079058 Bearing Cap	30/33.0 x 13.3 mm Bearing 6200	2541187 2940304 A12M,A12R11 A13E19
1 3619 0	Duvellier Paris Rhone Valeo	Bearing Cap	35/37.3 x 19.5 mm Bearing 6202	2542851 A11VI54,-81,-87,-89,-92,-93,-96,-98 A13VI134,-152,-184,-188
1 3682 0	Valeo Paris Rhone	590629 105299 Bearing Cap	32/34.0 x 14.0 mm Bearing 6201	A13N11,-140T,-143M,-147M, A13N148M,-149M,-152M,-166M, A13N229T,-236M,-239,-240
1 3683 0	Valeo Paris Rhone	590627 104809 104810 Bearing Cap	30/31.7 x 13.4 mm Bearing 6200	71211302,71240102 A13N10,-13,-103,-112,-114,-118, A13N125,-126A,-127,-128,129

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ABMESSUNGEN

SURVEY

CLASSEMENT PAR ALESAGES

SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN

SELF LUBRICATING BUSHINGS SURVEY (mm)

Abmessungen Dimensions in mm				IKA-No. bulk	Hersteller Producer
04.00	/ 07.00	x 07.00		**4 4507 0**	VALEO
06.00	/ 09.00	x 07.00		**4 4504 0**	VALEO
06.00	/ 10.00-13.70	x 08.00		**4 4503 0**	VALEO
07.00	/ 10.00	x 06.10		**4 4506 0**	VALEO
07.00	/ 11.90	x 10.00		**4 4273 0**	FORD
08.00	/ 11.50-14.50	x 10.00		**4 4316 0**	FIAT / MARELLI
08.00	/ 12.00	x 09.60		**4 4312 0**	FIAT / MARELLI
08.06	/ 11.12	x 08.00		**4 4054 0**	BOSCH
08.06	/ 11.12	x 08.00		**4 4054 0**	VALEO
08.06	/ 11.12	x 10.00		**4 4052 0**	BOSCH
08.10	/ 11.50	x 11.60		**4 4452 0**	MITSUBISHI
08.10	/ 12.45	x 10.00		**4 4272 0**	FORD
10.00	/ 13.00	x 12.00		**4 4257 0**	DUCELLIER
10.00	/ 13.00	x 13.00		**4 4371 0**	PARIS-RHONE
10.00	/ 13.00	x 16.00		**4 4372 0**	PARIS-RHONE
10.00	/ 13.00-16.00	x 10.50		**4 4484 0**	MITSUBISHI
10.00	/ 14.00	x 09.50		**4 4470 0**	MITSUBISHI
10.00	/ 14.00	x 13.50		**4 4464 0**	MITSUBISHI
10.00	/ 14.00	x 13.50		**4 4302 0**	FIAT / MARELLI
10.00	/ 14.00	x 13.50		**4 4302 0**	ISKRA
10.00	/ 14.00	x 13.50		**4 4302 0**	PAL MAGNETON
10.00	/ 14.00	x 15.00		**4 4301 0**	FIAT / MARELLI
10.00	/ 14.00	x 15.00		**4 4248 0**	PAL MAGNETON
10.00	/ 14.00-16.00	x 13.00		**4 4280 0**	FEMSA
10.00	/ 16.10	x 10.00		**4 4093 0**	BOSCH
10.06	/ 14.10	x 10.00		**4 4056 0**	BOSCH
10.06	/ 14.10	x 10.00		**4 4056 0**	VALEO
10.06	/ 16.60	x 10.50		**4 4061 0**	BOSCH
10.06	/ 16.60	x 11.50		**4 4077 0**	BOSCH
10.06	/ 16.60	x 11.50		**4 4077 0**	FIAT / MARELLI
10.06	/ 16.60-19.00	x 14.80		**4 4005 0**	BOSCH
10.07	/ 14.10	x 13.00		**4 4113 0**	BOSCH
10.10	/ 15.50	x 10.40		**4 4450 0**	DENSO
11.00	/ 15.00	x 15.00		**4 4459 0**	HITACHI
11.00	/ 13.00	x 13.00		**4 4456 0**	MITSUBISHI
11.00	/ 13.50	x 09.00		**4 4072 0**	BOSCH
11.00	/ 14.00	x 13.00		**4 4458 0**	MITSUBISHI
11.00	/ 14.70	x 08.00		**4 4469 0**	DENSO
11.00	/ 14.70	x 11.00		**4 4451 0**	DENSO
11.00	/ 14.70	x 12.80		**4 4468 0**	DENSO
11.06	/ 13.63	x 14.00		**4 4021 0**	BOSCH
11.10	/ 12.62	x 10.50		**4 4122 0**	BOSCH
11.10	/ 12.62	x 11.50		**4 4032 0**	BOSCH
11.20	/ 15.90-26.20	x 16.30		**4 4402 0**	LUCAS
11.50	/ 15.00	x 13.00/14.00		**4 4466 0**	HITACHI
11.60	/ 13.50	x 18.00		**4 4310 0**	FIAT / MARELLI
11.60	/ 14.08	x 13.00		**4 4426 0**	ISKRA
12.00	/ 13.20	x 12.00		**4 4203 0**	DELCO
12.00	/ 13.20	x 18.20		**4 4206 0**	DELCO
12.00	/ 14.00	x 16.00		**4 4453 0**	MITSUBISHI
12.00	/ 14.00	x 20.00		**4 4380 0**	PARIS-RHONE
12.00	/ 14.00	x 20.00		**4 4380 0**	MITSUBISHI

Abmessungen Dimensions in mm				IKA-No. bulk	Hersteller Producer
12.00	/ 15.00	x 08.00		**4 4418 0**	LUCAS
12.00	/ 15.00	x 10.00		**4 4501 0**	VALEO
12.00	/ 15.00	x 12.00		**4 4264 0**	ISKRA
12.00	/ 15.00	x 12.00		**4 4264 0**	LUCAS
12.00	/ 15.00	x 15.00		**4 4265 0**	LADA
12.00	/ 15.00	x 16.70		**4 4400 0**	LUCAS
12.00	/ 15.05-18.00	x 16.00		**4 4350 0**	PARIS-RHONE
12.00	/ 16.00	x 09.50		**4 4465 0**	MITSUBISHI
12.00	/ 16.00	x 12.00		**4 4311 0**	FIAT / MARELLI
12.00	/ 16.00	x 14.00		**4 4300 0**	FEMSA
12.00	/ 16.00	x 14.00		**4 4300 0**	FIAT / MARELLI
12.00	/ 16.00	x 16.00		**4 4304 0**	FEMSA
12.00	/ 16.00	x 16.00		**4 4304 0**	FIAT / MARELLI
12.00	/ 16.00	x 16.00		**4 4304 0**	LADA
12.00	/ 16.00	x 16.00		**4 4304 0**	ISKRA
12.00	/ 16.00	x 24.00		**4 4305 0**	FEMSA
12.00	/ 16.00	x 24.00		**4 4305 0**	LADA
12.00	/ 16.00	x 24.50		**4 4305 0**	FIAT / MARELLI
12.05	/ 14.05	x 14.00		**4 4204 0**	DELCO
12.05	/ 15.05	x 12.00		**4 4264 0**	DUCELLIER
12.05	/ 15.05	x 12.00		**4 4264 0**	PARIS-RHONE
12.05	/ 15.05	x 12.00		**4 4264 0**	ROMANIAN
12.05	/ 15.05	x 15.00		**4 4063 0**	BOSCH
12.05	/ 15.05	x 15.00		**4 4265 0**	DUCELLIER
12.05	/ 15.05	x 15.00		**4 4265 0**	PARIS-RHONE
12.05	/ 15.05	x 15.00		**4 4265 0**	ROMANIAN
12.05	/ 15.05	x 20.00		**4 4256 0**	DUCELLIER
12.05	/ 15.05	x 20.00		**4 4256 0**	PARIS-RHONE
12.05	/ 15.55	x 05.50		**4 4485 0**	HITACHI
12.06	/ 16.12	x 14.00		**4 4012 0**	BOSCH
12.06	/ 16.12	x 16.00		**4 4011 0**	BOSCH
12.10	/ 13.62	x 11.50		**4 4009 0**	BOSCH
12.10	/ 13.62	x 13.50		**4 4053 0**	BOSCH
12.10	/ 13.62	x 18.80		**4 4066 0**	BOSCH
12.10	/ 14.12	x 12.00		**4 4123 0**	BOSCH
12.10	/ 14.12	x 13.00		**4 4123 0**	BOSCH
12.10	/ 14.12	x 14.00		**4 4136 0**	BOSCH
12.16	/ 14.10	x 18.00		**4 4314 0**	FIAT / MARELLI
12.50	/ 14.70	x 14.00		**4 4457 0**	DENSO
12.50	/ 15.50	x 10.50		**4 4462 0**	DENSO
12.50	/ 16.00	x 12.00		**4 4454 0**	HITACHI
12.50	/ 16.00	x 12.00		**4 4454 0**	PAL MAGNETON
12.50	/ 16.00	x 15.00		**4 4455 0**	HITACHI
12.50	/ 16.50	x 10.50		**4 4461 0**	DENSO
12.50	/ 16.50	x 14.00		**4 4475 0**	DENSO
12.56	/ 16.60	x 08.00		**4 4071 0**	BOSCH
12.56	/ 16.60	x 10.00		**4 4062 0**	BOSCH
12.56	/ 16.60	x 11.50		**4 4004 0**	BOSCH
12.56	/ 16.60	x 14.00		**4 4002 0**	BOSCH
12.56	/ 16.60	x 14.00		**4 4247 0**	PAL MAGNETON
12.56	/ 16.60	x 15.80		**4 4000 0**	BOSCH
12.56	/ 16.60	x 18.00		**4 4103 0**	BOSCH
12.57	/ 18.54	x 19.80		**4 4306 0**	FIAT / MARELLI

SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN

SELF LUBRICATING BUSHINGS SURVEY (mm)

Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer
12.70 / 14.35 x 17.40	**4 4417 0**	LUCAS
12.70 / 15.80 x 12.70	**4 4404 0**	LUCAS
12.70 / 15.80 x 19.60	**4 4406 0**	LUCAS
12.70 / 15.90 x 16.50	**4 4412 0**	LUCAS
12.80 / 14.35 x 19.80	**4 4200 0**	DELCO
12.80 / 15.90 x 14.00	**4 4414 0**	LUCAS
12.80 / 19.10 x 14.00	**4 4411 0**	LUCAS
12.90 / 14.45 x 18.00	**4 4479 0**	MITSUBISHI
13.00 / 15.00 x 12.00	**4 4263 0**	DUCELLIER
13.00 / 15.00 x 14.50	**4 4253 0**	DUCELLIER
14.00 / 17.00 x 19.60	**4 4401 0**	LUCAS
14.00 / 17.60 x 15.00	**4 4109 0**	BOSCH
14.00 / 18.00 x 15.00	**4 4351 0**	FEMSA
14.00 / 18.00 x 16.00	**4 4351 0**	DUCELLIER
14.00 / 18.00 x 16.00	**4 4351 0**	ROMANIAN
14.00 / 18.00 x 16.00	**4 4351 0**	PARIS-RHONE
14.00 / 18.00 x 18.00	**4 4353 0**	DUCELLIER
14.00 / 18.00 x 18.00	**4 4472 0**	HITACHI
14.00 / 18.00 x 18.00	**4 4353 0**	PARIS-RHONE
14.00 / 18.00 x 20.00	**4 4354 0**	DUCELLIER
14.00 / 18.00 x 20.00	**4 4354 0**	FIAT / MARELLI
14.00 / 18.00 x 20.00	**4 4471 0**	HITACHI
14.00 / 18.00 x 20.00	**4 4354 0**	PARIS-RHONE
14.00 / 20.00 x 10.00	**4 4080 0**	BOSCH
14.01 / 17.05 x 15.00	**4 4255 0**	DUCELLIER
14.06 / 18.10 x 14.00	**4 4142 0**	BOSCH
14.06 / 20.03 x 17.00	**4 4137 0**	BOSCH
14.10 / 20.00 x 11.80	**4 4307 0**	FIAT / MARELLI
14.20 / 17.20 x 13.00	**4 4460 0**	MITSUBISHI
14.30 / 16.00 x 39.80	**4 4001 0**	BOSCH
14.36 / 16.04 x 10.00	**4 4023 0**	BOSCH
14.36 / 16.04 x 11.70	**4 4131 0**	BOSCH
14.36 / 16.04 x 13.70	**4 4124 0**	BOSCH
14.36 / 16.04 x 20.50	**4 4144 0**	BOSCH
14.36 / 16.04 x 23.50	**4 4106 0**	BOSCH
14.40 / 17.50 x 22.20	**4 4415 0**	LUCAS
14.54 / 18.03 x 14.80	**4 4240 0**	PAL MAGNETON
14.54 / 18.03 x 16.80	**4 4243 0**	PAL MAGNETON
15.07 / 18.10 x 11.80	**4 4315 0**	FIAT / MARELLI
15.80 / 19.00 x 19.00	**4 4405 0**	LUCAS
15.95 / 19.15 x 14.00	**4 4259 0**	DUCELLIER
15.95 / 19.15 x 14.00	**4 4259 0**	PARIS-RHONE
16.00 / 19.20 x 22.00	**4 4201 0**	DELCO
16.00 / 20.00 x 08.00	**4 4368 0**	PARIS-RHONE
16.00 / 20.00 x 10.00	**4 4355 0**	PARIS-RHONE
16.00 / 20.00 x 25.00	**4 4369 0**	PARIS-RHONE
16.20 / 19.15 x 15.00	**4 4260 0**	DUCELLIER
16.67 / 19.60 x 19.00	**4 4104 0**	BOSCH
17.00 / 21.00 x 24.00	**4 4361 0**	PARIS-RHONE
17.10 / 21.00 x 22.20	**4 4409 0**	LUCAS
17.50 / 20.10 x 07.50	**4 4467 0**	HITACHI
17.61 / 21.62 x 09.50	**4 4022 0**	BOSCH

Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer
18.00 / 22.00 x 05.00	**4 4502 0**	VALEO
18.03 / 22.12 x 06.50	**4 4057 0**	BOSCH
18.03 / 22.12 x 08.00	**4 4055 0**	BOSCH
18.10 / 22.04 x 06.80	**4 4443 0**	HITACHI
18.10 / 23.00 x 08.00	**4 4313 0**	FIAT / MARELLI
18.17 / 23.05 x 09.20	**4 4318 0**	FIAT / MARELLI
18.80 / 20.00 x 11.50	**4 4481 0**	MITSUBISHI
19.00 / 20.60 x 17.80	**4 4403 0**	LUCAS
19.00 / 20.60 x 20.60	**4 4407 0**	LUCAS
19.06 / 22.53 x 13.90	**4 4241 0**	PAL MAGNETON
19.09 / 23.10 x 10.00	**4 4126 0**	BOSCH
19.09 / 23.10 x 13.00	**4 4141 0**	BOSCH
19.09 / 25.10 x 10.00	**4 4102 0**	BOSCH
19.09 / 25.10 x 13.00	**4 4111 0**	BOSCH
19.20 / 31.80 x 10.20	**4 4205 0**	DELCO
20.00 / 24.00 x 05.00	**4 4505 0**	VALEO
20.00 / 24.00 x 12.00	**4 4352 0**	PARIS-RHONE
20.00 / 24.00 x 16.00	**4 4363 0**	PARIS-RHONE
20.00 / 28.00 x 29.00	**4 4365 0**	PARIS-RHONE
20.00 / 28.00-32.00 x 25.00	**4 4366 0**	PARIS-RHONE
20.27 / 24.00 x 13.09	**4 4308 0**	FIAT / MARELLI
20.40 / 26.50 x 12.50	**4 4463 0**	HITACHI
21.03 / 24.67 x 25.90	**4 4245 0**	PAL MAGNETON
21.30 / 24.40 x 25.00	**4 4202 0**	DELCO
22.04 / 26.03 x 27.40	**4 4242 0**	PAL MAGNETON
22.04 / 26.03 x 27.40	**4 4246 0**	PAL MAGNETON
22.05 / 26.05 x 05.20	**4 4444 0**	HITACHI
22.05 / 26.28 x 05.20	**4 4477 0**	HITACHI
22.08 / 26.10 x 23.00	**4 4105 0**	BOSCH
22.14 / 28.10 x 11.30	**4 4116 0**	BOSCH
22.70 / 28.50 x 05.90	**4 4482 0**	DENSO
23.00 / 27.00 x 06.00	**4 4478 0**	MITSUBA
23.04 / 27.03 x 19.80	**4 4244 0**	PAL MAGNETON
25.00 / 30.00 x 20.00	**4 4370 0**	PARIS-RHONE
25.00 / 32.00 x 17.90	**4 4081 0**	BOSCH
25.00 / 32.00-39.00 x 20.00	**4 4362 0**	PARIS-RHONE
26.12 / 30.13-33.00 x 11.50	**4 4013 0**	BOSCH
26.12 / 32.13-33.00 x 11.50	**4 4027 0**	BOSCH
27.00 / 35.00 x 14.00	**4 4364 0**	PARIS-RHONE
27.10 / 31.24-31.40 x 05.80	**4 4476 0**	HITACHI
27.10 / 35.00-40.00 x 29.50	**4 4367 0**	PARIS-RHONE
28.50 / 32.30 x 11.00	**4 4082 0**	BOSCH
28.50 / 32.30 x 11.00	**4 4083 0**	BOSCH
28.60 / 31.80-38.10 x 13.00	**4 4410 0**	LUCAS
34.50 / 44.00 x 42.50	**4 4199 0**	BOSCH
40.00 / 48.00 x 10.50	**4 4115 0**	BOSCH

SPEZIAL NADELLAGER NACH ABMESSUNGEN

SPECIAL NEEDLE BEARINGS SURVEY (mm)

Abmessungen mm Dimensions mm	IKA-No. bulk	Hersteller Producer
04.00 / 08.00 x 08.00	**8 2269 0**	VALEO
05.00 / 08.52 x 06.86	**8 4209 0**	BOSCH
05.00 / 09.00 x 09.00	**8 2260 0**	BOSCH
05.00 / 09.00 x 09.00	**8 2260 0**	VALEO
06.00 / 10.00 x 08.00	**8 2256 0**	BOSCH
06.00 / 10.00 x 08.00	**8 2256 0**	FORD
06.00 / 10.00 x 08.00	**8 2256 0**	VALEO
06.00 / 10.00 x 09.00	**8 2258 0**	BOSCH
06.00 / 10.00 x 09.00	**8 2258 0**	VALEO
08.00 / 12.00 x 08.00	**8 8674 0**	DELCO
08.00 / 12.00 x 08.00	**8 8673 0**	DELCO
08.00 / 12.00 x 08.00	**8 8673 0**	MITSUBA
09.00 / 13.00 x 10.00	**8 8675 0**	BOSCH
10.00 / 14.00 x 10.00	**8 4096 0**	BOSCH
10.00 / 14.00 x 10.00	**8 4096 0**	FIAT/MARELLI
10.00 / 14.00 x 10.00	**8 4096 0**	VALEO
10.00 / 14.00 x 12.00	**8 8668 0**	VALEO
10.00 / 14.00 x 14.00	**8 4097 0**	BOSCH
10.00 / 15.00 x 15.00	**8 8314 0**	MITSUBISHI
10.00 / 15.00 x 15.40	**8 4210 0**	MITSUBISHI
10.00 / 17.00 x 12.00	**8 4091 0**	BOSCH
11,50 / 17.50 x 16.50	**8 8684 0**	DELCO
12.00 / 16.00 x 10.00	**8 4079 0**	BOSCH
12.00 / 16.00 x 10.00	**8 4079 0**	Delco
12.00 / 16.00 x 10.00	**8 4079 0**	FIAT/MARELLI
12.00 / 16.00 x 10.00	**8 4079 0**	FORD
12.00 / 16.00 x 10.00	**8 4079 0**	LUCAS
12.00 / 16.00 x 10.00	**8 4079 0**	VALEO
12.00 / 16.00 x 14.00	**8 4095 0**	BOSCH
12.00 / 17.00 x 12.00	**8 8305 0**	MITSUBISHI
12.00 / 18.00 x 12.00	**8 8981 0**	FORD
12.00 / 18.00 x 14.00	**8 4098 0**	FIAT/MARELLI
12.00 / 18.00 x 16.00	**8 4099 0**	BOSCH
12.00 / 18.00 x 16.00	**8 4099 0**	VALEO
12.50 / 17.00 x 17.00	**8 8315 0**	DENSO
14.00 / 19.00 x 12.00	**8 8161 0**	MITSUBISHI
14.00 / 20.00 x 14.00	**8 8982 0**	MITSUBISHI
14.29 / 19.05 x 12.70	**8 4208 0**	FORD
15.00 / 21.00 x 12.00	**8 8829 0**	HITACHI
15.87 / 23.81 x 21.90	**8 4092 0**	BOSCH
16.00 / 20.70 x 19.00	**8 8664 0**	BOSCH
16.00 / 23.85 x 18.95	**8 8663 0**	BOSCH
17.00 / 23.80 x 17.40	**8 8200 0**	DELCO closed
17.00 / 23.80 x 17.40	**8 8200 0**	FORD closed
17.00 / 23.80 x 17.40	**8 8200 0**	LUCAS closed
17.00 / 23.80 x 17.40	**8 8277 0**	LUCAS open
17.00 / 23.80 x 31.80	**8 4207 0**	DELCO closed
17.46 / 22.23 x 09.50	**8 8681 0**	FORD
17.46 / 22.23 x 09.50	**8 8681 0**	MITSUBISHI
18.00 / 24.00 x 12.00	**8 8118 0**	BOSCH
18.00 / 24.00 x 12.00	**8 8118 0**	VALEO
18.00 / 24.00 x 16.00	**8 8983 0**	BOSCH
19.05 / 25.40 x 15.88	**8 8275 0**	BOSCH
20.00 / 26.00 x 12.00	**8 8986 0**	HITACHI
20.50 / 27.00 x 09.50	**8 8160 0**	MITSUBISHI
22.00 / 28.00 x 12.00	**8 8671 0**	HITACHI
22.00 / 28.00 x 16.00	**8 8665 0**	BOSCH

Abmessungen mm Dimensions mm	IKA-No. bulk	Hersteller Producer
26.10 / 33.00 x 13.70	**8 8677 0**	VALEO
28.00 / 35.20 x 14.62	**8 4090 0**	BOSCH
31.00 / 37.00 x 16.00	**8 4094 0**	BOSCH
33.00 / 48.00 x 15.00	**8 8693 0**	BOSCH

JAPANISCHE SPEZIALLAGER NACH ABMESSUNGEN

JAPANESE SPECIAL BEARINGS (mm)

Abmessungen Dimensions in mm	IKA-No. bulk	Herstellernummern Orginal References				Hersteller Producer
8 / 22 x 7	**8 8263 0**	**949100-1360**	608 2RS			DENSO
8 / 22 x 7	**8 8263 0**	**2114-15502**	608 2RS1	23319-M4900 (Nissan)		HITACHI
8 / 22 x 11	**8 8691 0**	**S930P17170**	B 8-74 D with snapring			MITSUBISHI
8 / 23 x 11	**8 8690 0**	**S930P17970**	B 8-79 D with snapring			MITSUBISHI
8 / 23 x 14	**8 8689 1**	**S930P18570**	B 8-85 D with snapring			MITSUBISHI
8 / 28 x 9	**8 8670 0**	**949100-4840**				DENSO
10 / 23 x 11	**8 8685 0**		B 10-46 D	6900 BPL		HITACHI
10 / 27 x 11	**8 8687 0**		B 10-50 D	23120-58S01,-6000G,6000HC (Nissan)		HITACHI
10 / 27 x 14	**8 8139 0**	**S930P64570**	SC0081LHIA with 2 teflon rings			MITSUBISHI
12 / 32 x 10	**8 8131 0**	**S930P61201**	6201 DW with snapring	S210-24-523 (Mazda)		MITSUBISHI
12 / 32 x 13	**8 8220 0**		6201 V B 12-57 with snapring			HITACHI
12 / 35 x 18	**8 8140 0**	**949100-2140**				DENSO
15 / 28 x 7	**8 8255 0**		6902 2RS1	Honda Gear Reduction Starters		MITSUBISHI
15 / 32 x 9	**8 8144 0**	**949100-4130**				DENSO
15 / 32 x 11	**8 8546 0**	**949100-3170**		90099-10154 (Toyota)		DENSO
15 / 35 x 11	**8 8666 0**		6202 LLBC3			HITACHI
15 / 35 x 11	**8 8138 0**	with snapring	6202 NC	23129-16A00 (Nissan)		HITACHI/MITSU.
15 / 35 x 13	**8 8545 0**	**949100-2790,-3980**				DENSO
15 / 35 x 13	**8 8135 0**	**S930P18301,18370,64301, 64370**		6202 NCD with snapring	B 15-69 D,T	HITACHI/MITSU.
15 / 36 x 18	**8 8265 0**	**949100-3270**				DENSO
15 / 38 x 19	**8 8541 0**	**949100-3480**	348			DENSO
15 / 42 x 13	**8 8169 0**		6302 NC with snapring			HITACHI
15 / 43 x 13	**8 8538 0**	**949100-3190**	319	90099-10152 (Toyota)		DENSO
15 / 43 x 24	**8 8434 0**	**949100-3440**				DENSO
15 / 46 x 14	**8 8540 0**	**949100-3360,-3450,-4620**	336			DENSO
15 / 47 x 14	**8 8536 0**	**S930P63070**	6303 LH	B 15-86 D	B 15-86 W3,AT1	MITSUBISHI
15 / 47 x 18	**8 8686 0**	**S930P18470**	B 15-84 DW	B 15-83 D		MITSUBISHI
15 / 52 x 16	**8 8141 0**	**949100-3820,-3821**	6304B15W16 2RS			DENSO
17 / 30 x 7	**8 8260 0**	**2114-25502**	6903 2RS1	23338-M4900 (Nissan)		HITACHI
17 / 47 x 18	**8 8682 0**	**S930P64470**	B17-107 D			MITSUBISHI
17 / 47 x 24	**8 8253 0**	**S930P64870**	MD618338	2 B17-4 DG		MITSUBISHI
17 / 52 x 15	**8 8547 0**	**02131-0940**				POONG SUNG
17 / 52 x 16	**8 8539 0**	**949100-3330,-4370**		333		DENSO
17 / 52 x 17	**8 8212 0**		B 17-99			MITSUBISHI
17 / 52 x 18	**8 8312 0**	**S930P80570**	B17-116 DG			MITSUBISHI
18.73 / 37 x 9	**8 8680 0**		6904 DW (incl. bushing)			MITSUBISHI
18.73 / 42 x 12	**8 8306 0**		6004 DW (incl. bushing)		M410X14171	MITSUBISHI
20 / 37 x 9	**8 8261 0**	**2114-35502**	6904 2RS1	23358-M4900 (Nissan)		HITACHI
20 / 42 x 12	**8 8214 0**	**2114-45502**	6004 2RS1	23363-M4900 (Nissan)		HITACHI
20 / 52 x 15	**8 8134 0**	**949100-2700**	6304 2RSC3			DENSO
25 / 42 x 9	**8 8262 0**	**2130-3302**	6905 2RS	23441-J5500 (Nissan)		HITACHI
30 / 47 x 9	**8 8431 0**		6906 2RS1	M1T60081,-60181,-60185,-60281, 60285,-60581,-61181		MITSUBISHI

17

TECHNISCHE INFORMATIONEN

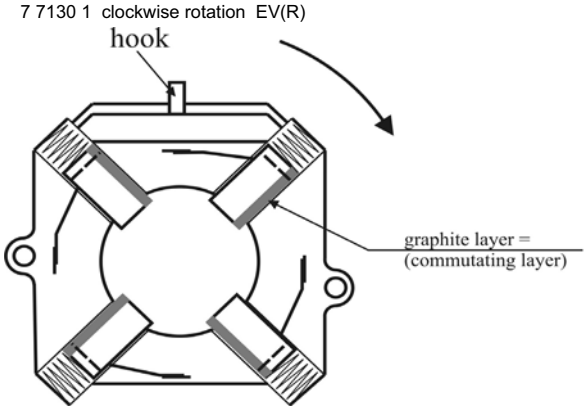
TECHNICAL INFORMATIONS

INFORMATIONS TECHNIQUES

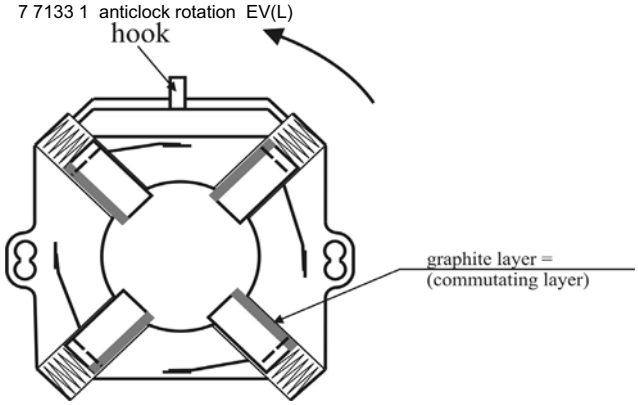
Assembly Instructions for Bosch Gear-Starter Brushes

Starter-Unit EV 2,2 KW 12 Volt 0 001 218 ...

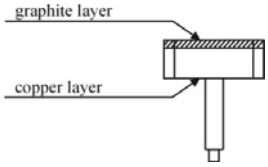
7 7130 1 clockwise rotation EV(R)



7 7133 1 anticlock rotation EV(L)

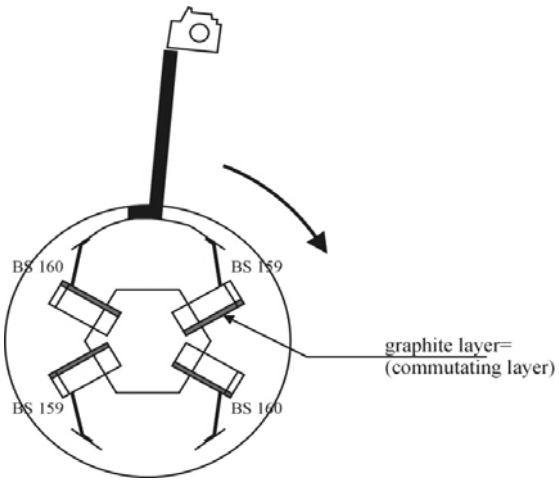


BS 151/0

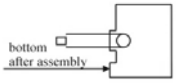


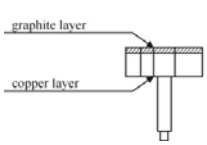
Starter-Unit DW 1,1 KW 12 Volt 0 001 108 ...

7 7124 1 clockwise rotation DW(R)

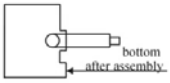


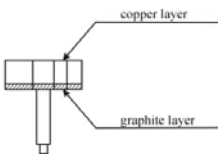
BS 159



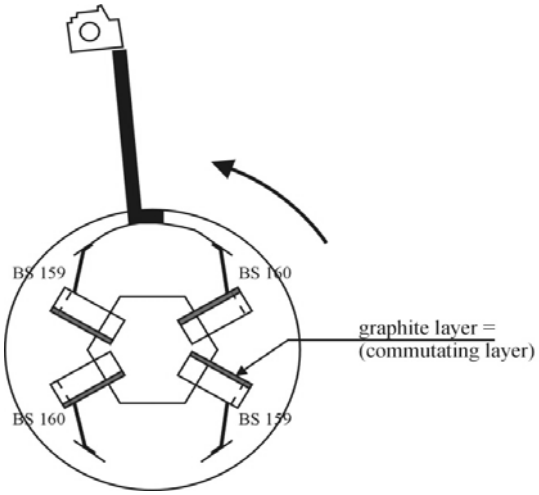


BS 160

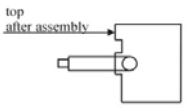


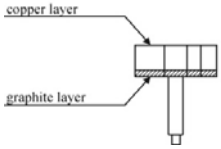


7 7128 1 anticlock rotation DW(L)



BS 160





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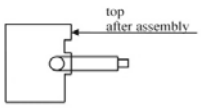
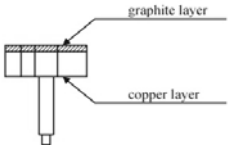


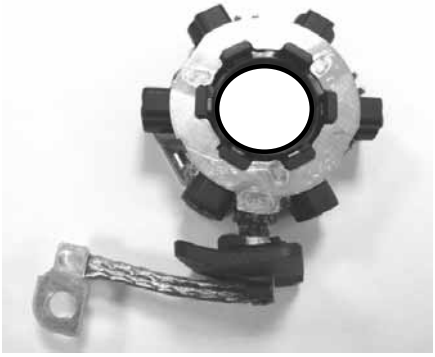


Assembly Instructions for Brush holder with 6 brushes

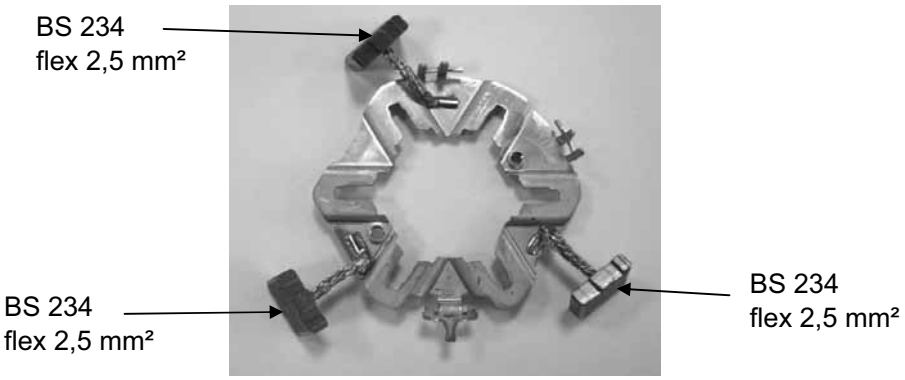
Brush holder 7 7538 1 with 3 x BS 234 and 3 x BS 235

SF78-M 12V (L) VW Start/Stop Overload Protection Starters

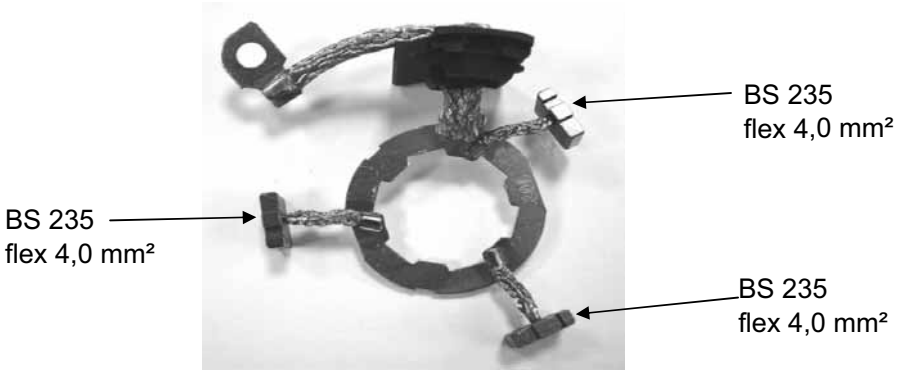
Upper side



Lower side



Upper ring

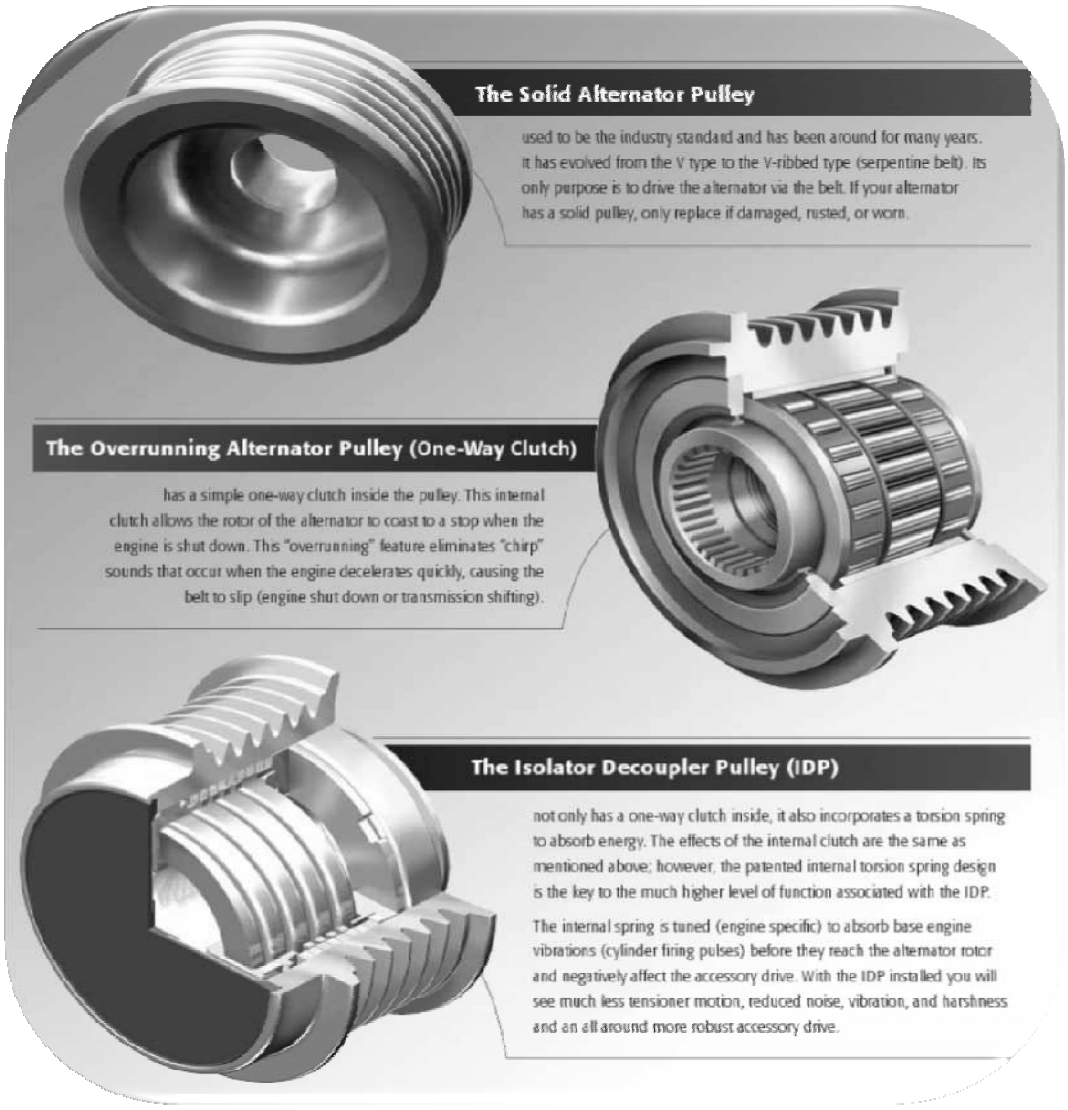


Lower ring

Alternator Pulley Technologies

OAP's and IDP's perform like a 'suspension system' for the accessory belt drive, by synchronizing the belt drive system which improves its performance and extend the life of many components.

These new generations of Pulleys achieve their performance by using two different technologies.



ATTENTION!

Therefore all other components and parts are designed and provided for a use with **original** OAP's and IDP's only. By using **replacement products** instead the **risk** of an accelerated wastage raises extremely. Quality Claims regarding the accessory belt drive system will be rejected by the OEM's if not the original IDP or OAP is used on the alternator.

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VERGLEICHSLISTE

CROSS REFERENCE LIST

LISTE DE CORRESPONDANCE ENTRE LES REFERENCES

BOSCH	371-382	**LUCAS**	412-413
CARGO	383-391	**LUK**	413-415
DENSO	391-393	**MARELLI / FIAT**	415
EURO REF.	393-396	**MELCO**	416-418
FCC	396-397	**MONARK**	418
FORD-VISTEON	397-398	**PAL / MAGNETON**	419
FUJI	398-402	**REMY**	419
GHIBAUDI	402-403	**SKF / NTN / FAG**	420
HITACHI	403-405	**VALEO**	420-423
ICRA	405	**IKA vs. EURO REF.**	424-426
INA	405-410		
ISKRA	410		
LCL	410-411		
LITENS	412		

VERGLEICHSLISTE
CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
0 121 C00 401	3 5386 1	297	1 000 301 080	4 4071 0	163	1 004 336 146	7 7124 1	81
0 122 1AA 4Z0	3 3531 1	280	1 000 301 082	4 4066 0	163	1 004 336 147	7 7128 1	82
0 122 1AA 5L0	3 3531 1	280	1 000 301 083	4 4056 0	163	1 004 336 155	7 7127 1	81
0 122 1AA 6K0	3 3547 1	282	1 000 301 091	4 4071 0	163	1 004 336 156	7 7127 1	81
0 122 1AA 7V0	3 3531 1	280	1 000 301 093	4 4001 0	162	1 004 336 162	7 7124 1	81
0 122 1AA 8F0	3 3547 1	282	1 000 322 005	4 4005 0	162	1 004 336 200	7 7126 1	81
0 122 1AA 8F0	4 0736 0	213	1 000 390 001	4 4082 0	163	1 004 336 217	7 7125 1	81
0 124 A00 238	3 3584 1	287	1 000 390 003	4 4082 0	163	1 004 336 219	7 7259 1	93
0 331 101 005	4 3471 0	215	1 000 390 004	4 4085 0	163	1 004 336 239	7 7131 1	82
0 331 101 006	4 6054 1	216	1 000 500 591	4 2238 1	189	1 004 336 257	7 7127 1	81
0 331 450 001	4 6035 1	216	1 000 917 001	8 2256 0	183	1 004 336 272	7 7203 1	85
0 331 450 002	4 3470 0	215	1 000 917 002	8 2258 0	183	1 004 336 279	7 7284 1	94
1 000 290 014	4 2222 0	149	1 000 917 003	8 4096 0	183	1 004 336 300	7 7124 1	81
1 000 290 020	4 2222 0	149	1 000 917 004	8 4097 0	183	1 004 336 301	7 7252 1	91
1 000 301 000	4 4000 0	162	1 000 917 005	8 4095 0	183	1 004 336 302	7 7125 1	81
1 000 301 001	4 4004 0	162	1 000 917 006	8 8675 0	185	1 004 336 309	7 7131 1	82
1 000 301 002	4 4002 0	162	1 000 917 007	8 4094 0	183	1 004 336 314	7 7260 1	93
1 000 301 008	4 4123 0	164	1 000 917 008	8 4209 0	184	1 004 336 318	7 7124 1	81
1 000 301 009	4 4009 0	162	1 000 917 009	8 4090 0	183	1 004 336 320	7 7131 1	82
1 000 301 011	4 4011 0	162	1 000 917 010	8 4090 0	183	1 004 336 321	7 7260 1	93
1 000 301 012	4 4012 0	162	1 000 917 012	8 4090 0	183	1 004 336 326	7 7126 1	81
1 000 301 013	4 4013 0	162	1 001 329 900	7 7114 1	79	1 004 336 332	7 7131 1	82
1 000 301 019	4 4131 0	164	1 001 933 106	4 7149 0	217	1 004 336 337	7 7257 1	92
1 000 301 021	4 4021 0	162	1 001 933 111	4 7149 0	217	1 004 336 338	7 7283 1	93
1 000 301 022	4 4022 0	162	1 004 336 009	7 7117 1	79	1 004 336 343	7 7257 1	92
1 000 301 023	4 4023 0	162	1 004 336 016	7 7117 1	79	1 004 336 346	7 7124 1	81
1 000 301 026	4 4053 0	162	1 004 336 025	7 7114 1	79	1 004 336 361	7 7132 1	82
1 000 301 027	4 4027 0	162	1 004 336 027	7 7118 1	79	1 004 336 363	7 7296 1	96
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949100-3462	8 8540 0	329
949100-3480	8 8541 0	329
949100-3481	8 8541 0	329
949100-3650	8 8546 0	329
949100-3660	8 8546 0	329
949100-3820	8 8141 0	329
949100-3821	8 8141 0	329
949100-3980	8 8545 0	329
949100-4110	8 8214 0	336
949100-4120	5 8263 7	337
949100-4130	8 8144 0	336
949100-4230	8 8214 0	336
949100-4370	8 8539 0	329
949100-4440	8 8545 0	329
949100-4620	8 8540 0	329
949100-4840	8 8670 0	329
949100-5010	8 8539 0	329
949100-5230	5 8263 7	337
949100-5280	8 8214 0	336
949100-5360	8 8545 0	329
949100-5750	8 8141 0	329
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949100-6080	5 8263 7	337
949100-6750	8 8539 0	329
949103-0390	4 4461 0	166
949103-0540	4 4475 0	166
949103-1320	4 4475 0	166
949103-2020	4 4475 0	166
949103-3160	4 4462 0	166
949103-3600	4 4450 0	166
949103-3610	4 4468 0	166
949103-3840	4 4469 0	166
949103-3850	4 4451 0	166
949105-0110	8 8315 0	329

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BSX 33	0 1102 1	3
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BSX 39	0 1105 1	3
BSX 43 (4)	0 1106 1	4
BSX 44 (4)	0 1107 1	4
BSX 53	0 1112 1	4
BSX 59 (2)	0 1112 1	4
BSX 62	0 1118 1	4
BSX 67	0 1119 1	4
BSX 70	0 1121 1	4
BSX 74	0 1123 1	5
BSX 75	0 1124 1	5
BSX 76	0 1125 1	5
BSX 93	0 1130 1	5
BSX 96	0 1132 1	6
BSX 100	0 1136 1	6
BSX 102	0 1138 1	6
BSX 104 (2)	0 1140 1	6
BSX 129/130	0 1145 1	6
BSX 134-144	0 1147 1	6
BSX 135-145	0 1148 1	7
BSX 137-143	0 1149 1	7
BSX 138-142	0 1150 1	7
BSX 139	0 1151 1	7
BSX 140	0 1152 1	7
BSX 146	0 1154 1	7
BSX 147	0 1155 1	8
BSX 148	0 1156 1	8
BSX 149	0 1157 1	8
BSX 151	0 1158 1	8
BSX 151/0	0 1159 1	8
BSX 152	0 1162 1	8
BSX 153	0 1160 1	9
BSX 155	0 1164 1	9
BSX 157-158	0 1165 1	9
BSX 157-158 K Mercedes	0 1167 1	9
BSX 159-160	0 1166 1	10
BSX 163-164	0 1168 1	10
BSX 165	0 1169 1	10
BSX 166	0 1173 1	10
BSX 170-171	0 1171 1	10
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BSX 180-181	0 1177 1	12	FX 74-78	0 1522 1	32	JA-AX 32	0 1912 1	247
BSX 184-185	0 1088 1	12	FX 75	0 1524 1	32	JA-AX 33	0 1913 1	241
BSX 186	0 1179 1	12	FX 76-77	0 1523 1	33	JA-AX 34	0 1914 1	253
BSX 186-187	0 1180 1	12	GSX 1	0 1370 1	73	JA-AX 35	0 1915 1	241
BSX 190-191	0 1183 1	12	GSX 4	0 1371 1	73	JA-AX 36	0 1916 1	253
BSX 192-193	0 1184 1	13	GSX 7	0 1372 1	73	JA-AX 36 ST	0 1903 1	253
BSX 194-195	0 1186 1	13	GSX 8	0 1373 1	73	JA-AX 37	0 1918 1	247
BSX 196	0 1187 1	13	GSX 9	0 1369 1	73	JA-AX 38	0 1919 1	241
BSX 197	0 1170 1	13	GSX 11	0 1374 1	73	JA-AX 39	0 1920 1	248
BSX 198-199	0 1182 1	13	GSX 15	0 1375 1	74	JA-SX 1	0 1943 1	20
BSX 200-201	0 1188 1	14	GSX 16-17	0 1376 1	74	JA-SX 2	0 1946 1	20
BSX 202-203	0 1178 1	14	HPIX 1 mot. directio	0 1800 1	76	JA-SX 10-11	0 1955 1	20
BSX 204-205	0 1197 1	14	HX 3	0 1795 1	70	JA-SX 14 (4)	0 1940 1	20
BSX 206-207	0 1089 1	14	HX 6 (2)	0 1785 1	70	JA-SX 15-6 (4)	0 1942 1	34
BSX 210-211	0 1091 1	14	HX 16	0 1794 1	70	JA-SX 22 (4)	0 1945 1	20
BSX 212-213	0 1092 1	15	HX 26	0 1796 1	70	JA-SX 24-25	0 1979 1	52
BSX 214-215	0 1093 1	15	HX 54	0 1793 1	70	JA-SX 26-27	0 1978 1	34
BSX 216-217	0 1094 1	15	HX 56 (2)	0 1786 1	70	JA-SX 29	0 1949 1	47
BSX 218-219	0 1095 1	15	HX 106	0 1798 1	71	JA-SX 31	0 1952 1	34
BSX 220-221	0 1096 1	15	HX 109	0 1797 1	71	JA-SX 32-33	0 1951 1	34
BX 68 (4)	0 1034 1	233	HX 116	0 1790 1	71	JA-SX 34-30	0 1934 1	34
BX 104 (2)	0 1035 1	233	HX 124	0 1791 1	71	JA-SX 35	0 1935 1	21
BX 140 (4)	0 1043 1	233	HX 155	0 1788 1	71	JA-SX 36-37	0 1937 1	35
BX 151	0 1044 1	233	HX 161	0 1799 1	71	JA-SX 38	0 1936 1	47
BX 165	0 1075 1	233	HX 172	0 1789 1	72	JA-SX 39	0 1938 1	21
BX 169	0 1048 1	234	HX 341	0 1792 1	72	JA-SX 39 C	0 1939 1	21
BX 182	0 1051 1	234	HX 346	0 1787 1	72	JA-SX 40-41	0 1953 1	47
BX 185	0 1052 1	234	IKSX 2-3	0 1532 1	39	JA-SX 42-43	0 1954 1	47
BX 188	0 1079 1	235	IKSX 4	0 1533 1	39	JA-SX 44-28	0 1941 1	47
BX 190	0 1080 1	235	IKSX 5-6	0 1534 1	39	JA-SX 45-46	0 1956 1	48
BX 192 (4)	0 1069 1	235	IKSX 7	0 1535 1	39	JA-SX 47-48	0 1957 1	48
BX 198	0 1084 1	235	IKSX 10	0 1539 1	39	JA-SX 49-61	0 1948 1	35
BX 199	0 1081 1	235	IKSX 10-11	0 1537 1	39	JA-SX 50-51	0 1961 1	35
BX 202	0 1061 1	236	IKSX 12	0 1538 1	40	JA-SX 52	0 1962 1	21
BX 203	0 1086 1	236	JA-AX 5-8	0 1907 1	240	JA-SX 53	0 1963 1	21
BX 204	0 1062 1	236	JA-AX 9	0 1900 1	240	JA-SX 54-55	0 1964 1	35
BX 209	0 1066 1	237	JA-AX 10	0 1899 1	240	JA-SX 56-3	0 1959 1	36
BX 213	0 1065 1	238	JA-AX 12	0 1901 1	246	JA-SX 56-3/0	0 1958 1	36
BX 214	0 1067 1	238	JA-AX 15	0 1904 1	252	JA-SX 57-58	0 1960 1	36
BX 215	0 1068 1	238	JA-AX 16	0 1902 1	252	JA-SX 59-60	0 1950 1	36
BX 216	0 1064 1	239	JA-AX 18	0 1911 1	252	JA-SX 62	0 1965 1	21
BX 219	0 1082 1	239	JA-AX 19	0 1906 1	246	JA-SX 63	0 1966 1	22
BX 220	0 1083 1	239	JA-AX 20	0 1905 1	246	JA-SX 64-65-67	0 1968 1	36
FX 67	0 1526 1	245	JA-AX 24	0 1910 1	252	JA-SX 66-67	0 1969 1	37
FX 70-71	0 1527 1	32	JA-AX 25	0 1911 1	252	JA-SX 68-73	0 1976 1	48
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JA-SX 74-75	0 1974 1	37
JA-SX 77-78	0 1977 1	22
JA-SX 80-81	0 1982 1	37
JA-SX 82-83 (3)	0 1981 1	50
JA-SX 82-83 (4)	0 1983 1	50
JA-SX 84	0 1984 1	22
JA-SX 85	0 1985 1	23
JA-SX 86-87	0 1986 1	23
JA-SX 88	0 1988 1	23
JA-SX 89	0 1991 1	23
JA-SX 90	0 1989 1	50
JA-SX 91	0 1990 1	50
JA-SX 92-93 12V	0 1992 1	38
JA-SX 94-95 24V	0 1993 1	38
JA-SX 96-97 24V	0 1995 1	50
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JSX 9	0 1454 1	25
JSX 11	0 1453 1	25
JSX 12	0 1456 1	25
JSX 13 (4)	0 1457 1	25
JSX 14	0 1455 1	25
JSX 15	0 1458 1	26
JSX 16	0 1459 1	26
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JSX 23-24-28	0 1466 1	27
JSX 25-22	0 1467 1	27
JSX 26-27	0 1468 1	27
JSX 29-30	0 1469 1	27
JSX 31-32	0 1470 1	27
JSX 33-34	0 1471 1	27
JSX 35-36	0 1472 1	28
JSX 35-37	0 1473 1	28
JSX 38-39-40 (3)	0 1474 1	28
JSX 38-40-58 (4)	0 1482 1	28
JSX 38-41	0 1475 1	28
JSX 38-42	0 1476 1	28
JSX 40-46-47 (4)	0 1477 1	29
JSX 43-45-44 (4)	0 1478 1	29
JSX 43-45-57 (3)	0 1483 1	29
JSX 48-49-50 (3)	0 1479 1	29
JSX 50-55-56 (3)	0 1484 1	29
JSX 51-52 (2)	0 1480 1	29
JSX 51-52-59 (3)	0 1485 1	30
JSX 51-52-63 (4)	0 1486 1	30
JSX 53-54	0 1481 1	30
JSX 61-62-63 (4)	0 1487 1	30
JSX 70-71	0 1490 1	31
JSX 72-73 Denso P76	0 1491 1	31
JSX 74-75-76-77 P70	0 1492 1	31
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JX 18	0 1407 1	242
JX 22	0 1410 1	242
JX 26	0 1413 1	242
JX 30-31	0 1415 1	242
JX 32	0 1417 1	243
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JX 42	0 1433 1	243
JX 43	0 1434 1	243
JX 44	0 1435 1	244
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LASX 15-16	0 1608 1	41
LASX 15-27	0 1609 1	41
LASX 30-31-32	0 1613 1	41
LASX 31	0 1614 1	41
LASX 36	0 1615 1	42
LASX 37-38-39	0 1616 1	42
LASX 40-41	0 1617 1	42
LASX 42	0 1618 1	42
LASX 43-44 w. termina	0 1628 1	42
LASX 43-44/0 w/o.term	0 1619 1	42
LASX 43-47-48 w.term.	0 1622 1	43
LASX 44-45	0 1620 1	43
LASX 46-47-48	0 1612 1	43
LASX 73-41	0 1621 1	43
LASX 81-82	0 1607 1	43
LASX 83-84	0 1610 1	43
LAX 9	0 1550 1	249
LAX 23	0 1553 1	249
LAX 29	0 1558 1	249
LAX 30	0 1559 1	249
LAX 31	0 1560 1	249
LAX 31-32	0 1561 1	249
LAX 33	0 1562 1	250
LAX 80-81	0 1569 1	250
LAX 80-83	0 1571 1	250
LAX 84-85	0 1572 1	250
LAX 86	0 1573 1	250
MASX 3	0 1662 1	45
MASX 13-14	0 1663 1	45
MASX 15-16	0 1664 1	45
MASX 17-18	0 1665 1	45
MASX 19-20	0 1666 1	45
MASX 21-22	0 1668 1	45
MASX 23-24	0 1669 1	46
MASX 25-26	0 1670 1	46
MASX 27-28	0 1671 1	46
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PLSX 4	0 1691 1	53
PLSX 5	0 1689 1	53
PLX 10	0 1692 1	254
PLX 11	0 1693 1	254
PLX 5	0 1688 1	254
PSX 55-76	0 1738 1	60
PSX 64-70 (2)	0 1741 1	60
PSX 81-82	0 1746 1	60
PSX 83-84	0 1750 1	60
PSX 88	0 1756 1	60
PSX 112	0 1755 1	61
PSX 115-116	0 1757 1	61
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PSX 119-120	0 1760 1	61
PSX 122-123-124	0 1761 1	61
PSX 129	0 1766 1	62
PSX 130	0 1767 1	62
PSX 131	0 1770 1	62
PSX 132	0 1769 1	62
PSX 132 K	0 1762 1	62
PSX 133	0 1770 1	62
PSX 133 K	0 1763 1	62
PSX 136-137	0 1771 1	63
PSX 138-139 (2)	0 1775 1	63
PSX 140-141 (4)	0 1776 1	63
PSX 142-143	0 1779 1	63
PSX 142-144	0 1752 1	63
PSX 142-145	0 1754 1	63
PSX 146-147 w/o. sprin	0 1783 1	64
PSX 148-149 w/o. sprin	0 1773 1	64
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PSX 156 (4)	0 1726 1	66
PSX 160-164 D7G c/w	0 1735 1	66
PSX 161	0 1737 1	66
PSX 166-167	0 1743 1	67
PSX 168-167	0 1744 1	67
PSX 169-170	0 1745 1	67
PSX 89-90	0 1747 1	61
PX 50	0 1710 1	257
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PX 56	0 1715 1	257
PX 58	0 1717 1	257
PX 60	0 1719 1	257
PX 61	0 1720 1	258
RX 60	0 1284 1	54
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RX 87	0 1287 1	54
RX 92	0 1296 1	54
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RX 96 (R 120)	0 1286 1	54
RX 103	0 1266 1	255
RX 103 E	0 1268 1	255
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RX 106	0 1269 1	255
RX 117	0 1270 1	255
RX 119	0 1262 1	255
RX 120 (2)	0 1250 1	55
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RX 120 (3)	0 1291 1	55
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RX 120/0 (2)	0 1294 1	55
RX 120/0 (3)	0 1292 1	56
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RX 122	0 1280 1	56
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FBH 5	4 4466 0	171
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FBH 31	4 4455 0	171
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FBM 18	4 4460 0	174
FBM 36	4 4458 0	174
FBM 37	4 4470 0	174
FBM 38	4 4465 0	174
FBM 39	4 4464 0	174
FBM 45	4 4484 0	174
FBN 1	4 4475 0	166
FBN 10	4 4475 0	166
FBN 14	4 4457 0	166
FBN 17	4 4461 0	166
FBN 33	4 4462 0	166
FBN 34	4 4475 0	166
FBN 35	4 4450 0	166
FBN 36	4 4468 0	166
FBN 38	4 4469 0	166
FBN 39	4 4451 0	166
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JHTSX 8 M	0 1942 1	34
JHTSX 9 M	0 1959 1	36
JHTSX 11	0 1959 1	36
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JHTSX 17	0 1960 1	36
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JHTSX 28	0 1969 1	37
JHTSX 28 N	0 1968 1	36
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JHTSX 31	0 1982 1	37
JHTSX 32	0 1992 1	38
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JHTX 6	0 1901 1	246
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JHTX 10	0 1906 1	246
JHTX 11	0 1906 1	246
JHTX 18	0 1905 1	246
JHTX 18 M	0 1905 1	246
JHTX 19	0 1906 1	246
JHTX 20	0 1912 1	247
JHTX 23	0 1912 1	247
JHTX 27	0 1918 1	247
JHTX 29	0 1920 1	248
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JMTSX 11	0 1980 1	47
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JMTSX 30	0 1957 1	48
JMTSX 31	0 1957 1	48
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JMTSX 36 N	0 1970 1	48
JMTSX 37	0 1957 1	48
JMTSX 48	0 1936 1	47
JMTSX 49	0 1983 1	50
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JMTSX 58	0 1957 1	48
JMTSX 59	0 1989 1	50
JMTSX 65	0 1973 1	49
JMTSX 66	0 1973 1	49
JMTX 13	0 1904 1	252
JMTX 14	0 1902 1	252
JMTX 19	0 1911 1	252
JMTX 20	0 1911 1	252
JMTX 22	0 1910 1	252
JMTX 23	0 1911 1	252
JMTX 25	0 1911 1	252
JMTX 32	0 1910 1	252
JMTX 33	0 1909 1	253
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JMTX 38	0 1916 1	253
JMTX 39	0 1909 1	253
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JNDSX 12	0 1940 1	20
JNDSX 20	0 1965 1	21
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JNDSX 28	0 1935 1	21
JNDSX 31	0 1988 1	23
JNDSX 31 M	0 1988 1	23
JNDSX 32	0 1984 1	22
JNDSX 33	0 1991 1	23
JNDSX 34	0 1985 1	23
JNDSX 35	0 1977 1	22
JNDSX 36	0 1986 1	23
JNDSX 37	0 1963 1	21
JNDSX 39	0 1938 1	21
JNDSX 39 T	0 1939 1	21
JNDSX 41	0 1962 1	21
JNDSX 42	0 1955 1	20
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JNDX 29	0 1899 1	240
JNDX 30	0 1917 1	240
JNDX 32	0 1913 1	241
JNDX 33	0 1919 1	241
JNDX 34	0 1915 1	241
JNDX 34 M	0 1915 1	241
JNDX 37	0 1915 1	241
JNDX 38	0 1913 1	241
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1079392	3 5402 1	310
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1488368	3 5402 1	310
1587259	8 8983 0	186
1587265	8 8693 0	185
1C3U-11424-AA	7 7213 1	109
1C3U-11434-AA	7 7213 1	109
1S7U-10A352-DB	3 3590 1	287
31285489	3 5430 1	302
3M5T-10300-PB	3 5396 1	299
3M5T-10300-PC	3 5396 1	299
5M5Q10344-AA	3 5317 1	290
5M5Q-10C382-AA	3 3593 1	307
5M5Q-10D310-AA	3 3593 1	307
6158987	8 4079 0	183
6G9N-10D311-AA	3 5372 1	310
6G9N-10D321-AA	3 5428 1	311
6G9N-6A312-AE	3 5371 1	310
6G9N-6A312-AF	3 5371 1	310
77364082	3 5384 1	297
78HB-11448-AA	8 8693 0	185
78HB-1148-BA	8 8983 0	186
98FF-10C382-BC	3 5402 1	310
98FF-10C382-BF	3 5402 1	310
98FF-10C382-BG	3 5402 1	310
98FF-10C382-BH	3 5402 1	310
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AM5Q-10A352-AA	3 5442 1	312
AU2-11395-A	8 4097 0	183
AV6Q-10A352-AA	3 5446 1	312
AV6Q-10A352-BA	3 5445 1	312
BA 116 Z	8 8681 0	185
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BF6T-11135-B	8 4079 0	183
C3SF-10A304-A	8 8200 0	184
C4SF-10A304-A	8 8200 0	184
C5AF-10A304-A	8 8200 0	184
C5AZ-10A304-A	8 8200 0	184
C6VY-11135-A	8 4079 0	183
D2OF-10A304-A2A	8 8200 0	184
D2OZ-10A304-A	8 8200 0	184
E5PF-11061-A	7 7525 1	119
E5PF-11434-AA	7 7525 1	119
E7GZ-11061-A	7 7183 1	116
E90F-11448-BA	8 2256 0	183
E90Z-11061-A	7 7211 1	109
E90Z-11061-B	7 7211 1	109

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E90Z-11061-C	7 7211 1	109
E90Z-11135-A	4 4056 0	163
E90Z-11A165-A	4 2229 0	153
F1DU-10260-AA	7 7166 1	263
F1DZ-10347-A	7 7166 1	263
F3RZ-11061-A	7 7212 1	109
F4BZ-11061-A	7 7183 1	116
F7RU-11165-CA	4 2229 0	153
F7RU-11434-BA	7 7261 1	109
F7RU-11448-EA	8 8981 0	186
F8RU-11448-AA	8 2256 0	183
SCE 98	8 4208 0	184
SCE 116	8 8681 0	185
TN49-11339	8 8664 0	185
TN49-11339-A	8 8665 0	185
VP2M5U-10A352-AA	3 5354 1	295
VP2PSU-10A352-BA	3 5331 1	291
VP2PSU-10A352-CA	3 5331 1	291
VP5L8U-10A352-AA	3 5469 1	305
VP6S4U-10A352-AA	3 5354 1	295
YC1T-10A352-AC	3 3562 1	307
YC1U-1033-EA	3 3588 1	307
YC1U-10A352-BA	3 3562 1	307
YC1U-10A352-BB	3 3588 1	307
YP2C-10A352-AA	3 3588 1	307
YP2C1U-10A352-AA	3 3588 1	307

FUJI	IKA	PAGE
F-141	0 1977 1	22
F-147	0 1952 1	34
FA-101	0 1969 1	37
FA-102	0 1969 1	37
FD-111	0 1940 1	20
FD-133	0 1945 1	20
FD-138	0 1965 1	21
FD-139	0 1965 1	21
FD-140	0 1966 1	22
FD-151	0 1962 1	21
FD-154	0 1984 1	22
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FD-160	0 1985 1	23
FD-161	0 1977 1	22
FD-162	0 1963 1	21
FD-163	0 1984 1	22
FD-165	0 1984 1	22
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FD-171	0 1962 1	21
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FD-318	0 1915 1	241
FD-319	0 1915 1	241
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FE-124	0 1984 1	22
FE-143	0 1988 1	23
FE-167	0 1977 1	22
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FE-310	0 1900 1	240
FE-316	0 1906 1	246
FE-317	0 1906 1	246
FE-318	0 1905 1	246
FE-319	0 1915 1	241
FE-320	0 1915 1	241

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FE-321	0 1915 1	241
FF-110	0 1960 1	36
FF-111	0 1960 1	36
FF-115	0 1940 1	20
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FF-117	0 1969 1	37
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FF-133	0 1963 1	21
FF-134	0 1985 1	23
FF-135	0 1984 1	22
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FF-138	0 1961 1	35
FF-139	0 1961 1	35
FF-140	0 1961 1	35
FF-141	0 1961 1	35
FF-144	0 1961 1	35
FF-145	0 1961 1	35
FF-146	0 1984 1	22
FF-150	0 1969 1	37
FF-151	0 1969 1	37
FF-152	0 1968 1	36
FF-155	0 1984 1	22
FF-156	0 1984 1	22
FF-157	0 1984 1	22
FF-158	0 1939 1	21
FF-303	0 1905 1	246
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FF-308	0 1900 1	240
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FF-313	0 1905 1	246
FF-314	0 1905 1	246
FF-315	0 1905 1	246
FF-316	0 1905 1	246
FF-319	0 1938 1	21
FF-321	0 1915 1	241
FF-322	0 1914 1	253
FF-323	0 1905 1	246
FF-325	0 1915 1	241
FH-123	0 1988 1	23
FH-125	0 1993 1	38

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FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FH-126	0 1993 1	38	FI-126	0 1952 1	34	FI-339	0 1906 1	246
FH-145	0 1988 1	23	FI-130	0 1992 1	38	FI-340	0 1906 1	246
FH-303	0 1901 1	246	FI-131	0 1992 1	38	FI-347	0 1906 1	246
FH-304	0 1906 1	246	FI-133	0 1960 1	36	FI-353	0 1905 1	246
FH-306	0 1913 1	241	FI-134	0 1960 1	36	FI-354	0 1905 1	246
FH-307	0 1913 1	241	FI-135	0 1959 1	36	FI-355	0 1912 1	247
FH-318	0 1900 1	240	FI-136	0 1959 1	36	FI-356	0 1912 1	247
FH-323	0 1900 1	240	FI-147	0 1952 1	34	FI-357	0 1912 1	247
FH-324	0 1900 1	240	FI-156	0 1963 1	21	FI-358	0 1905 1	246
FI-001	0 1974 1	37	FI-159	0 1993 1	38	FI-359	0 1905 1	246
FI-002	0 1937 1	35	FI-164	0 1952 1	34	FI-360	0 1905 1	246
FI-003	0 1937 1	35	FI-167	0 1968 1	36	FI-361	0 1905 1	246
FI-025	0 1988 1	23	FI-168	0 1969 1	37	FI-364	0 1913 1	241
FI-027	0 1988 1	23	FI-172	0 1992 1	38	FI-368	0 1906 1	246
FI-029	0 1984 1	22	FI-173	0 1992 1	38	FI-371	0 1905 1	246
FI-030	0 1988 1	23	FI-174	0 1993 1	38	FI-372	0 1905 1	246
FI-035	0 1968 1	36	FI-175	0 1993 1	38	FI-373	0 1905 1	246
FI-040	0 1984 1	22	FI-181	0 1993 1	38	FI-374	0 1905 1	246
FI-041	0 1985 1	23	FI-182	0 1993 1	38	FI-376	0 1905 1	246
FI-046	0 1937 1	35	FI-185	0 1993 1	38	FI-378	0 1905 1	246
FI-047	0 1968 1	36	FI-186	0 1993 1	38	FI-381	0 1912 1	247
FI-051	0 1992 1	38	FI-189	0 1969 1	37	FI-384	0 1906 1	246
FI-052	0 1992 1	38	FI-191	0 1977 1	22	FI-391	0 1912 1	247
FI-053	0 1975 1	37	FI-192	0 1969 1	37	FI-393	0 1915 1	241
FI-054	0 1974 1	37	FI-193	0 1969 1	37	FI-398	0 1905 1	246
FI-055	0 1974 1	37	FI-194	0 1982 1	37	FI-403	0 1913 1	241
FI-056	0 1974 1	37	FI-195	0 1982 1	37	FI-404	0 1915 1	241
FI-061	0 1977 1	22	FI-196	0 1937 1	35	FI-405	0 1920 1	248
FI-062	0 1955 1	20	FI-197	0 1937 1	35	FI-406	0 1905 1	246
FI-063	0 1955 1	20	FI-198	0 1934 1	34	FI-407	0 1912 1	247
FI-064	0 1963 1	21	FI-199	0 1934 1	34	FJ-002	0 1973 1	49
FI-065	0 1939 1	21	FI-200	0 1974 1	37	FJ-005	0 1973 1	49
FI-066	0 1997 1	22	FI-304	0 1906 1	246	FJ-007	0 1985 1	23
FI-067	0 1997 1	22	FI-306	0 1907 1	240	FJ-012	0 1972 1	49
FI-068	0 1997 1	22	FI-307	0 1907 1	240	FJ-016	0 1988 1	23
FI-069	0 1997 1	22	FI-315	0 1901 1	246	FJ-025	0 1995 1	50
FI-080	0 1984 1	22	FI-317	0 1906 1	246	FJ-026	0 1994 1	51
FI-081	0 1984 1	22	FI-318	0 1907 1	240	FJ-029	0 1939 1	21
FI-085	0 1984 1	22	FI-319	0 1907 1	240	FJ-030	0 1994 1	51
FI-086	0 1962 1	21	FI-320	0 1906 1	246	FJ-125	0 1935 1	21
FI-109	0 1942 1	34	FI-321	0 1906 1	246	FJ-126	0 1967 1	49
FI-110	0 1942 1	34	FI-322	0 1906 1	246	FJ-138	0 1940 1	20
FI-116	0 1951 1	34	FI-323	0 1905 1	246	FJ-149	0 1957 1	48
FI-117	0 1951 1	34	FI-324	0 1905 1	246	FJ-150	0 1971 1	49
FI-118	0 1959 1	36	FI-327	0 1900 1	240	FJ-151	0 1971 1	49
FI-119	0 1959 1	36	FI-329	0 1906 1	246	FJ-165	0 1957 1	48
FI-120	0 1952 1	34	FI-330	0 1906 1	246	FJ-166	0 1957 1	48
FI-125	0 1940 1	20	FI-331	0 1900 1	240	FJ-177	0 1936 1	47

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FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FJ-178	0 1971 1	49	FK-130	0 1963 1	21	FM-313	0 1900 1	240
FJ-179	0 1957 1	48	FK-131	0 1939 1	21	FM-314	0 1910 1	252
FJ-181	0 1935 1	21	FK-132	0 1968 1	36	FM-315	0 1910 1	252
FJ-183	0 1983 1	50	FK-139	0 1984 1	22	FM-316	0 1952 1	34
FJ-184	0 1983 1	50	FK-140	0 1984 1	22	FM-317	0 1900 1	240
FJ-185	0 1936 1	47	FK-301	0 1906 1	246	FM-318	0 1913 1	241
FJ-188	0 1989 1	50	FK-302	0 1906 1	246	FM-319	0 1914 1	253
FJ-189	0 1967 1	49	FK-303	0 1900 1	240	FM-320	0 1915 1	241
FJ-190	0 1994 1	51	FK-312	0 1899 1	240	FM-321	0 1912 1	247
FJ-191	0 1967 1	49	FK-315	0 1915 1	241	FM-322	0 1912 1	247
FJ-192	0 1995 1	50	FK-316	0 1915 1	241	FM-323	0 1912 1	247
FJ-193	0 1940 1	20	FM-101	0 1940 1	20	FM-324	0 1916 1	253
FJ-194	0 1967 1	49	FM-109	0 1949 1	47	FM-325	0 1914 1	253
FJ-195	0 1988 1	23	FM-121	0 1967 1	49	FM-326	0 1914 1	253
FJ-200	0 1967 1	49	FM-123	0 1957 1	48	FM-327	0 1916 1	253
FJ-307	0 1902 1	252	FM-135	0 1971 1	49	FN-001	0 1957 1	48
FJ-309	0 1911 1	252	FM-136	0 1971 1	49	FN-002	0 1957 1	48
FJ-312	0 1911 1	252	FM-145	0 1957 1	48	FN-003	0 1934 1	34
FJ-323	0 1900 1	240	FM-152	0 1983 1	50	FN-004	0 1934 1	34
FJ-324	0 1910 1	252	FM-153	0 1983 1	50	FN-005	0 1968 1	36
FJ-325	0 1911 1	252	FM-154	0 1989 1	50	FN-006	0 1937 1	35
FJ-333	0 1900 1	240	FM-159	0 1966 1	22	FN-007	0 1937 1	35
FJ-334	0 1911 1	252	FM-160	0 1994 1	51	FN-008	0 1961 1	35
FJ-336	0 1910 1	252	FM-161	0 1973 1	49	FN-009	0 1961 1	35
FJ-337	0 1910 1	252	FM-162	0 1973 1	49	FN-015	0 1969 1	37
FJ-342	0 1910 1	252	FM-164	0 1971 1	49	FN-016	0 1969 1	37
FJ-343	0 1909 1	253	FM-166	0 1973 1	49	FN-018	0 1937 1	35
FJ-344	0 1910 1	252	FM-167	0 1977 1	22	FN-023	0 1969 1	37
FJ-345	0 1909 1	253	FM-168	0 1985 1	23	FN-024	0 1969 1	37
FJ-346	0 1913 1	241	FM-169	0 1961 1	35	FN-025	0 1974 1	37
FJ-347	0 1914 1	253	FM-170	0 1961 1	35	FN-027	0 1967 1	49
FJ-350	0 1915 1	241	FM-171	0 1985 1	23	FN-028	0 1967 1	49
FJ-352	0 1916 1	253	FM-175	0 1973 1	49	FN-029	0 1989 1	50
FJ-354	0 1914 1	253	FM-178	0 1972 1	49	FN-030	0 1994 1	51
FJ-358	0 1915 1	241	FM-181	0 1974 1	37	FN-031	0 1995 1	50
FK-107	0 1984 1	22	FM-182	0 1974 1	37	FN-035	0 1960 1	36
FK-108	0 1965 1	21	FM-183	0 1983 1	50	FN-036	0 1960 1	36
FK-109	0 1984 1	22	FM-184	0 1983 1	50	FN-039	0 1983 1	50
FK-113	0 1969 1	37	FM-185	0 1939 1	21	FN-040	0 1983 1	50
FK-114	0 1969 1	37	FM-302	0 1902 1	252	FN-041	0 1974 1	37
FK-115	0 1984 1	22	FM-303	0 1904 1	252	FN-042	0 1974 1	37
FK-118	0 1969 1	37	FM-304	0 1911 1	252	FN-043	0 1961 1	35
FK-119	0 1969 1	37	FM-305	0 1911 1	252	FN-044	0 1961 1	35
FK-124	0 1966 1	22	FM-307	0 1911 1	252	FN-057	0 1948 1	35
FK-125	0 1985 1	23	FM-309	0 1911 1	252	FN-058	0 1948 1	35
FK-127	0 1966 1	22	FM-310	0 1902 1	252	FN-059	0 1961 1	35
FK-128	0 1984 1	22	FM-311	0 1912 1	247	FN-060	0 1961 1	35
FK-129	0 1986 1	23	FM-312	0 1910 1	252	FN-061	0 1969 1	37

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FN-062	0 1969 1	37	FN-306	0 1906 1	246	FN-382	0 1914 1	253
FN-063	0 1995 1	50	FN-307	0 1906 1	246	FN-383	0 1916 1	253
FN-064	0 1995 1	50	FN-309	0 1906 1	246	FN-385	0 1912 1	247
FN-067	0 1971 1	49	FN-310	0 1906 1	246	FN-386	0 1920 1	248
FN-068	0 1971 1	49	FN-312	0 1902 1	252	FN-389	0 1905 1	246
FN-107	0 1942 1	34	FN-313	0 1905 1	246	FN-390	0 1912 1	247
FN-110	0 1942 1	34	FN-314	0 1905 1	246	FN-391	0 1918 1	247
FN-120	0 1952 1	34	FN-315	0 1906 1	246	FN-393	0 1918 1	247
FN-122	0 1951 1	34	FN-316	0 1906 1	246	FN-394	0 1916 1	253
FN-123	0 1951 1	34	FN-317	0 1906 1	246	FN-395	0 1918 1	247
FN-124	0 1960 1	36	FN-318	0 1911 1	252	FN-396	0 1918 1	247
FN-125	0 1960 1	36	FN-320	0 1902 1	252	FN-400	0 1916 1	253
FN-126	0 1949 1	47	FN-322	0 1905 1	246	FN-402	0 1918 1	247
FN-127	0 1949 1	47	FN-323	0 1905 1	246	FO-301	0 1905 1	246
FN-138	0 1959 1	36	FN-324	0 1905 1	246	FO-302	0 1905 1	246
FN-139	0 1959 1	36	FN-325	0 1905 1	246	FR-302	0 1900 1	240
FN-140	0 1969 1	37	FN-330	0 1905 1	246	FR-303	0 1913 1	241
FN-141	0 1969 1	37	FN-331	0 1905 1	246	FS-112	0 1940 1	20
FN-145	0 1971 1	49	FN-333	0 1906 1	246	FS-123	0 1963 1	21
FN-155	0 1959 1	36	FN-334	0 1905 1	246	FS-124	0 1963 1	21
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FN-167	0 1992 1	38	FN-343	0 1910 1	252	FS-304	0 1900 1	240
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FN-169	0 1952 1	34	FN-346	0 1905 1	246	FS-310	0 1915 1	241
FN-173	0 1974 1	37	FN-347	0 1912 1	247	FT-104	0 1940 1	20
FN-174	0 1974 1	37	FN-348	0 1912 1	247	FT-111	0 1935 1	21
FN-175	0 1974 1	37	FN-349	0 1909 1	253	FT-114	0 1966 1	22
FN-176	0 1974 1	37	FN-352	0 1910 1	252	FT-116	0 1965 1	21
FN-178	0 1971 1	49	FN-353	0 1912 1	247	FT-124	0 1984 1	22
FN-186	0 1957 1	48	FN-354	0 1912 1	247	FT-127	0 1984 1	22
FN-187	0 1978 1	34	FN-355	0 1905 1	246	FT-128	0 1988 1	23
FN-188	0 1978 1	34	FN-356	0 1912 1	247	FT-129	0 1984 1	22
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FN-190	0 1982 1	37	FN-359	0 1905 1	246	FT-133	0 1977 1	22
FN-191	0 1993 1	38	FN-360	0 1905 1	246	FT-138	0 1986 1	23
FN-192	0 1993 1	38	FN-361	0 1905 1	246	FT-139	0 1984 1	22
FN-195	0 1992 1	38	FN-362	0 1905 1	246	FT-140	0 1962 1	21
FN-196	0 1992 1	38	FN-363	0 1905 1	246	FT-141	0 1977 1	22
FN-197	0 1958 1	36	FN-364	0 1905 1	246	FT-142	0 1988 1	23
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FN-200	0 1937 1	35	FN-373	0 1912 1	247	FT-148	0 1984 1	22
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FN-303	0 1906 1	246	FN-377	0 1905 1	246	FT-150	0 1984 1	22
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FT-313	0 1913 1	241
FT-314	0 1919 1	241
FT-315	0 1919 1	241
FT-316	0 1915 1	241
FT-317	0 1915 1	241
FT-318	0 1915 1	241
FT-319	0 1913 1	241
FU-101	0 1988 1	23
FV-301	0 1905 1	246
FV-302	0 1905 1	246
FW-015	0 1940 1	20
FW-111	0 1993 1	38
FW-112	0 1993 1	38
FW-116	0 1984 1	22
FW-117	0 1984 1	22
FW-301	0 1905 1	246
FW-302	0 1905 1	246
FW-303	0 1900 1	240
FY-105	0 1937 1	35
FY-106	0 1937 1	35
FY-111	0 1969 1	37
FY-112	0 1969 1	37
FY-113	0 1982 1	37
FY-114	0 1982 1	37
FY-115	0 1959 1	36
FY-116	0 1959 1	36
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FY-143	0 1937 1	35
FY-148	0 1974 1	37
FY-149	0 1993 1	38
FY-150	0 1993 1	38
FY-151	0 1937 1	35
FY-153	0 1993 1	38

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FY-155	0 1984 1	22
FY-156	0 1984 1	22
FY-157	0 1977 1	22
FY-158	0 1985 1	23
FY-159	0 1988 1	23
FY-302	0 1905 1	246
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FY-317	0 1900 1	240
FY-318	0 1914 1	253
FY-320	0 1905 1	246
FY-321	0 1912 1	247
FZ-104	0 1940 1	20
FZ-107	0 1984 1	22
FZ-108	0 1988 1	23
FZ-109	0 1966 1	22
FZ-301	0 1900 1	240

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0892D	4 4502 0	179
1858	4 2321 1	132
1954	4 2326 0	133
1959	4 2314 1	132
1968	4 2374 1	135-136
1969	4 2371 1	135
2000	4 2362 0	134
2151	4 2388 0	137-138
2268	4 2387 0	137
2329	4 2389 0	138
3487	4 2240 0	149
3539	4 6027 1	216
3603	4 4354 0	169
3615	4 4353 0	178
3617	4 4352 0	178
3619	4 4370 0	179
3624	4 4366 0	179
3625	4 4366 0	179
3631	4 4350 0	178
3633	4 4363 0	179
3634	4 4351 0	178
3636	4 4368 0	179
3640	4 4501 0	179
3641	4 4503 0	179
3642	4 4502 0	179
3643	4 4504 0	179
3651	4 4004 0	162
3652	4 4002 0	162
3653	4 4109 0	164
3654	4 4103 0	164
3656	4 4102 0	163
3657	4 4351 0	178
3658	4 4113 0	164
3659	4 4000 0	162
3660	4 4011 0	162
3662	4 4002 0	162
3664	4 4109 0	164
3666	4 4012 0	162
3667	4 4104 0	164
3673	4 4106 0	164
3676	4 4105 0	164
3680	4 4115 0	164
3681	4 4116 0	164
3682	4 4000 0	162
3699	4 4013 0	162
3700	4 4021 0	162
3701	4 4080 0	163
3702	4 4000 0	162

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3703	4 4123 0	164
3704	4 4126 0	164
3705	4 4111 0	164
3707	4 4136 0	164
3709	4 4141 0	164
3710	4 4142 0	164
3711	4 4022 0	162
3712	4 4004 0	162
3713	4 4077 0	163
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3715	4 4056 0	163
3716	4 4055 0	163
3717	4 4054 0	162
3720	4 4005 0	162
3721	4 4061 0	163
3723	8 4079 0	183
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3771	4 4263 0	178
3772	4 4260 0	178
3806	4 4302 0	168
3810	4 4304 0	168
3811	4 4305 0	168
3830	4 4300 0	168
3831	4 4301 0	168
3843	4 4306 0	168
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3926	4 4401 0	173
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4113	4 4454 0	171
4114	4 4456 0	174
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4117	4 4461 0	166
4131	4 4462 0	166
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2114-53126	0 1964 1	35
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2114-55002	5 8263 7	337
2114-55502	8 8214 0	336

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L240-13261	0 1912 1	247
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BCH-06604 open	8 8277 0	184
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F-123861	8 8677 0	185
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F-221604	8 4097 0	183
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920801	3 5361 1	308
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920803	3 5372 1	310
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920851	3 5406 1	311
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920916	3 5447 1	312
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920999	3 5442 1	312
953710	3 5400 1	300

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227 305	0 1550 1	249
227 541	0 1553 1	249
250 626	4 4406 0	173
250 678	4 4407 0	173
251 108	0 1604 1	41
251 477	4 4404 0	173
253 316	4 4403 0	173
255 491	4 4405 0	173
255 659	0 1600 1	41
256 112	4 4417 0	173
270 005	0 1600 1	41
271 364	4 4412 0	173
271 735	0 1608 1	41
271 735-1	0 1609 1	41
54 160 827	8 8200 0	184
54 202 906	0 1570 1	250
54 203 641	0 1569 1	250
54 207 267	8 8200 0	184
54 207 268	8 8200 0	184
54 207 451	8 8277 0	184
54 213 117	0 1553 1	249
54 216 361	0 1558 1	249
54 218 506	0 1562 1	250
54 218 706	0 1560 1	249
54 219 368	0 1561 1	249
54 241 267	4 4402 0	173
54 242 194	0 1616 1	42
54 243 853	4 4698 1	200
54 244 848	0 1617 1	42
54 244 979	0 1618 1	42
54 246 258	0 1628 1	42
54 252 054	4 4400 0	173
54 252 236	4 4401 0	173
54 255 966	4 4409 0	173
54 256 098	4 4414 0	173
54 256 132	4 4414 0	173
54 256 151	4 4410 0	173
54 256 907	0 1613 1	41
54 257 833	4 4411 0	173
54 258 592	0 1614 1	41
54 259 517	0 1615 1	42
54 269 480	4 4264 0	178
54 269 790	4 4418 0	173
54 390 877	0 1573 1	250
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54217372	1 2040 0	269
54960402	1 2363 0	355
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60 600 205	0 1612 1	43
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TAB 119	0 1614 1	41
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TAB 124	0 1628 1	42
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TAB 127	0 1600 1	41
TAB 128	0 1604 1	41
TAB 133	0 1610 1	43
TAB 135	0 1607 1	43
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ULB 113	0 1571 1	250
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5350036	3 3559 1	283
5350037	3 3563 1	283
5350038	3 5302 1	288
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5350041	3 3577 1	285
5350042	3 3568 1	284
5350043	3 5356 1	295
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5350051	3 3560 1	283	5350107	3 5355 1	295	5350167	3 5455 1	303
5350052	3 3526 1	279	5350108	3 5335 1	292	5350168	3 5391 1	298
5350053	3 3528 1	279	5350109	3 5320 1	290	5350169	3 5380 1	297
5350054	3 3561 1	283	5350110	3 5356 1	295	5350171	3 5373 1	296
5350055	3 3574 1	285	5350111	3 5348 1	294	5350172	3 3571 1	307
5350059	3 3573 1	285	5350112	3 5357 1	295	5350173	3 5394 1	299
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5350070	3 3562 1	307	5350121	3 5337 1	292	5350182	3 5397 1	299
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7100137	8 8673 0	185
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7110202	3 3554 0	319
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7150121	8 4209 0	184
7170001	8 8200 0	184
7170002	8 8684 0	185
7170003	8 8133 0	326
7170013	8 8693 0	185
7170015	8 4097 0	183
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7170043	8 4207 0	184
7170047	8 8674 0	185
7170048	8 4091 0	183
7170058	8 8277 0	184
7170059	8 8665 0	185
7170095	8 4090 0	183
7220255	8 8693 0	185
7220441	8 8118 0	184

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4 007 952	4 4304 0	168
4 047 985	4 4305 0	168
4 114 431	4 4300 0	168
4 114 442	4 4301 0	168
464 416 17	3 5403 1	300
542 941 89	4 2400 1	140
542 944 44	7 7193 1	113
542 945 80	4 2224 0	154
607 512 03	8 4079 0	183
631 870 51	4 2247 0	153
632 235 37	4 4316 0	168
672 541	4 4302 0	168
708 040 60	8 4096 0	183
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721 647 01	7 7397 1	115
721 650 01	7 7398 1	115
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748 603 00	4 4300 0	168
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748 661 40	4 4305 0	168
748 682 10	4 4302 0	168
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752 069 91	8 8983 0	186
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773 635 65	3 5325 1	308
773 638 17	7 7229 1	88
773 641 02	7 7229 1	88
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773 651 21	7 7536 1	103
773 652 87	7 7291 1	95
790 522 73	8 8693 0	185
790 522 75	8 8983 0	186
798 500 03	8 8693 0	185
798 500 07	8 8983 0	186
8 362 959	3 3563 1	283
822 563 22	8 8983 0	186
822 744 31	8 8693 0	185
832 204 61	7 7193 1	113
832 212 41	7 7192 1	113
832 222 70	8 4079 0	183
832 244 61	7 7190 1	113

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832 253 26	7 7190 1	113
832 258 86	7 7194 1	113
832 263 36	7 7191 1	113
836 134 01	1 2089 0	269
836 239 70	3 5403 1	300
836 533 01	3 5319 1	290
8362516	3 3540 1	281
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9 927 789	4 4307 0	168
9 927 796	4 4308 0	168
9 938 368	4 4300 0	168
9 939 199	4 4077 0	163
9 949 580	3 3527 1	279
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992 0664	8 8693 0	185
992 5365	8 8275 0	184
993 9203	8 4079 0	183
994 6840	8 4097 0	183
995 0124	8 4079 0	183

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M649T04372	0 1936 1	47	MD604474	0 1915 1	241	MN960267	3 5444 1	312
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083 450 001	4 6035 1	216
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083 776 056	4 4056 0	163
083 776 317	4 4093 0	163
083 776 347	4 4077 0	163
083 776 420	4 4080 0	163
083 777 000	4 4103 0	164
083 777 002	4 4102 0	163
083 777 004	4 4104 0	164
083 777 009	4 4109 0	164
083 777 015	4 4115 0	164
083 777 016	4 4116 0	164
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085 831 958	7 7127 1	81
085 832 990	7 7130 1	82
085 836 027	7 7115 1	79
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086 355 018	4 2304 0	131
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086 456 527	4 6027 1	216
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087 065 970	9 1804 1	195
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088 359 007	1 2001 0	267
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088 646 082	1 3681 0	351
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095 257 031	1 2031 0	272
095 257 042	1 2042 0	272
095 257 043	1 2043 0	272
095 857 003	1 2022 0	270
095 857 055	1 2021 0	270
095 857 089	1 2034 0	271
096 157 101	1 2041 0	269
096 157 104	1 2040 0	269
096 157 106	1 2044 0	269
096 457 510	1 2035 0	271
096 457 515	1 2007 0	271
096 957 145	1 2012 0	268
096 957 147	1 2013 0	268-269
096 957 441	1 2030 0	267-268
096 957 442	1 2047 0	268
096 957 620	1 2017 0	269-270
096 957 630	1 2037 0	270

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1046 9238	7 7175 1	121
1047 0140	7 7175 1	121
1047 2207	8 8433 0	334
1047 2352	7 7263 1	122
1047 2881	7 7162 1	264
1047 3364	7 7162 1	264
1047 3711	8 8256 0	338
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1047 5011	7 7163 1	264
1047 5107	7 7264 1	122
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1047 5632	4 2223 0	156
1047 5746	7 7164 1	264
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1047 9923	1 2095 0	271
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189 4635	4 4201 0	161
192 3907	4 4206 0	161
193 2190	4 4203 0	177
194 5509	4 4201 0	161
196 2606	4 4205 0	177
196 8338	4 4203 0	177
197 9387	7 7176 1	121
197 9494	7 7176 1	121
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198 8096	4 4202 0	177
198 8121	7 7168 1	121
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198 8439	7 7168 1	121
198 9640	1 2007 0	271

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198 9646	8 8210 0	336
198 9651	7 7162 1	264
198 9711	8 8433 0	334
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2102 3994	4 2218 0	157
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347 1069	4 4204 0	161
347 1505	0 1251 1	55
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347 1553	4 4204 0	161
347 1625	0 1294 1	55
347 1764	0 1292 1	56
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347 1834	0 1295 1	56
347 2316	7 7160 1	264
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347 2455	8 8684 0	185
745 1763	8 8200 0	184
745 1782	8 4207 0	184
745 1931	8 8200 0	184
745 4763	8 8200 0	184
798 2870	8 8684 0	185
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941 8076	8 8200 0	184
942 4225	8 8200 0	184
942 7225	8 8200 0	184
943 2068	8 8200 0	184
943 3301	8 8277 0	184
943 6831	8 8200 0	184
943 7171	8 4207 0	184
943 7211	8 8277 0	184
943 7221	8 8277 0	184
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943 7305	8 8200 0	184
943 8527	8 8200 0	184
944 0923	8 4079 0	183
944 1510	8 8674 0	185
944 1512	8 8683 0	185
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6208 2RSC3	8 8228 0	336
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62201 LLUC3	8 8427 0	336
62202 2RSR	8 8679 0	338
62302 2RSR	8 8258 0	338
62303 2RS	8 8257 0	338
62304 2RS	8 8137 0	337
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626 2RSH	5 8186 7	337
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049 785	4 4353 0	178
050 488	4 4352 0	178
051 914	4 4265 0	178
052 123	4 4353 0	178
055 330	4 4361 0	179
055 331	4 4370 0	179
068 412	4 4264 0	178
068 449	4 4353 0	178
068 754	4 4255 0	178
068 763	4 4351 0	178
068 888	4 4260 0	178
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071 437	4 4362 0	179
073 294	4 1000 0	227
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092 746	0 1715 1	257
092 850	0 1715 1	257
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300 722	0 1719 1	257	593 690	8 8546 1	335	594 064	0 1783 1	64
300 796	0 1781 1	258	593 691	8 8280 0	335	594 065	0 1766 1	62
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556 255	8 2260 0	183	593367	1 3703 0	344-345	594 160	0 1777 1	64
571 234	8 2256 0	183	593416	1 3705 0	345	594 161	0 1777 1	64
571 321	8 4099 0	184	593417	1 3701 0	344	594 165	0 1777 1	64
571 396	8 2258 0	183	593481	1 3705 0	345	594 169	0 1768 1	65
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